

```

ctgtgcaccc gagtgtcctt tcccccttaa gctggcacat aggagcaaaa gttcactaac 60
cctgcagtgg aaggcaccaa ttgacaacgg ttcaaaaatc accaactacc ttttagagtg 120
ggatgagggg aaagaaatag tggtttcaga cagtgttctt tggggagcca gaagcactgc 180
aagttgacaa agctttgtcc ggcaatgggg tacacattca ggctggccgc tcgaaacgac 240
attggtacca gtggttatag ccaagagggt gtgtgctaca cattaggaaa tatccctcag 300
atgccttctg caccaaggct ggttcgagct ggcatcacat gggtcacgtt gcagtggagt 360
aagccagaag gctgttcacc cgaggaagt atcacctaca ccttggaat tcaggaggat 420
gaaaatgata accttttcca cccaaaatac actggagagg atttaacctg tactgtgaaa 480
aatctcaaaa gaagcacaca gtataaattc aggtgactg cttct 525

```

<210> 907

<211> 365

<212> DNA

<213> Homo sapiens

<400> 907

```

gtaaatttta agtcttttcag ttttatagat acggaaaaca aggggtgactc tttaccacag 60
gatgaataaa gaactaagta atatgggaaa tgcagcaatt tctggactag ctgagccgat 120
tccttcctgt gagcacactg taagctttca agttctctgg gcaggaatta cagcacctgt 180
cccctgcaat ggccctgctg tgtgatgctc atcgcttccc ttcgtgctgg agcagtcccc 240
caggtgtcca tctcctatct ttttgttcca atcttctgtg agttccagct agcaggcttt 300
acatctgggg aaaggaaaac caggggtttt agctctgttc tctgctccca tccttcgctc 360
accag 365

```

<210> 908

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 594

<223> n = A,T,C or G

<400> 908

```

cggaggtgcc tcagccatgg catggatccc tctcttcctc ggcgctccttg cttactgcac 60
aggacgtgcg gcctcctttg aggtgaccca gccaccttca atgtccgtgt ccccaggaca 120
gacagccaag atcacctgca ctggagatag gttgggggat gaatatgttt gctggtatca 180
acagaagcca ggccagtccc ctgtattgat aatatatttg gataacaagc ggccctcggg 240
gatccctgac cgattctctg cctacgcctc tgggaacaca gccactctga tcatcagcgg 300
ggcccaagtt atggatgagg cttattatta ctgtcaggcg tgggacggca gaactgtggt 360
gttcggcgaa gggaccaacc tgaccgtcct aggtcagccc aaggctgccc cctcggtcac 420
tctgttcccc cctcctctg aggagcttca agccaacaag gccacactgg tgtgtctcat 480
aagtgacttc taccgggag ccgtgacagt ggctggaag gcagatagca gccccgtcaa 540
ggcgggagtg gagaccacca caccctcaa acaaagcaac aacaagtacg cggncagcag 600
ctatctga 608

```

<210> 909

<211> 513

<212> DNA

<213> Homo sapiens

<400> 909

```

ctggtctcaa actcctcacc tcaactgata cgcccacctt ggcctcccaa agtgctggga 60

```

```
<210> 910
<211> 272
<212> DNA
<213> Homo sapiens
```

```
<210> 911
<211> 263
<212> DNA
<213> Homo sapiens
```

```
<210> 912
<211> 470
<212> DNA
<213> Homo sapiens
```

```
<210> 913
<211> 426
<212> DNA
<213> Homo sapiens
```

<400> 913

```

cctggacacc ataaggctgg tgggctttca gaattgtgtt aggggggcag gagtggcagg 60
ttcctgaatc tcggtcaata tagtaaccag caggacaaga ggtgcaggag gagcccacat 120
cagaggcttc tagggcacag ggacggcagt aggaggccac gccattcata acattggtga 180
cattgatgga gtagatcttg gcaacgtcat tgggtgactt cctgcttgcc tcatgaaaag 240
tggctcctctg gaaggcccag gtgaggctcg tggtagtggt ctctcfaatg atgtaggtat 300
aggactgttt gcctttggaa cctttccacg tctccacagg agtggttggtc ctagaattca 360
caccaccat gaagtagagc tcacagttca cagaacagag ggtctcaaag acaaattgtga 420
ttctgg                                     426

```

```

<210> 914
<211> 252
<212> DNA
<213> Homo sapiens

```

```

<400> 914
ccaagctggg ggtgcgacaca tgtggaagaa ctggaggccc ggtgtcatga gcagaggctg 60
taccctagat gcccgcccca gtgccagcca acccaagaca ggagaaagag tttggcagtt 120
tcgcctctga ggaatacatg cctggccctc ctgtgaggtg aggcggtagg ggggaaggcg 180
caggtctcga agtctgaggg cttgccggag ggggagtttc tgagcctttt gcatgggtgc 240
atgccccctg cc                                     252

```

```

<210> 915
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<400> 915
ccactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60
tgagccaggc tgtttcctct ctatccagag gttttgtagt ttaataaaa ccatcctctg 120
gattaatagt gaaaaatctg tcgaggtcag tgtgacgatc gatggaatac cttatcgggc 180
tgttggcagc atcagggtct ttggcatgca ctctcccaac cacggtgcca gcag      234

```

```

<210> 916
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 14, 338
<223> n = A,T,C or G

```

```

<400> 916
ccattcagtc tcanttcaga aaattccaga agaagaaggc tgggtctcag tcctagtggg 60
agaacccccct cctagtccac ctgaaaacac caaattcaac catcatctgt caagaaatta 120
aaagaacaac accctagaga gaagtcattc acacacaatc cacacacgca tagcaaacct 180
ccaatgcatg tacagaaacc tgtgatattt atacccttgt aggaaggatg agacaattgga 240
attgtgagta gcttaatctc tatgtttctc tccattttca ttctcctctg aactattttc 300
cttgatgttg taataaaatg aagttacgat gagtgatnaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaa                                     366

```

```

<210> 917
<211> 492
<212> DNA

```

<213> Homo sapiens

<400> 917

```
ggcacagcga gggcagcatc tggaggagct ctgcagcctc cacacctacc acgacctccc 60
agggctgagc tcaggaaaaa ccagccactg ctttacagga caggggggtg aagctgagcc 120
ccgcctcaca cccaccccca tgcactcaaa gattggattt tacagctact tgcaattcaa 180
aattcagaag aataaaaaat gggaacatac agaactctaa aagatagaca tcagaaattg 240
ttaagttaag ctttttcaaa aaatcagcaa ttccccagcg tagtcaaggg tggacactgc 300
acgctctggc atgatgggat ggcgaccggg caagctttct tcctcgagat gctctgctgc 360
ttgagagcta ttgctttggt aagatataaa aaggggtttc tttttgtctt tctgtaaggt 420
ggtcttccag cttttgattg aaagtcctag ggtgattcta tttctgctgt gatttatctg 480
ctgaaagctc ag                                     492
```

<210> 918

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 527

<223> n = A,T,C or G

<400> 918

```
ctgctcctgg gtaggcgtgc gggccatata gtaggggtag gatactagcc gctcgccgcc 60
gttcagattt gtcgccagca cgaaggggtt cttctccatc caggcaatga tggcccgac 120
ctcgtggat accgtggcat ctggcgaaa gtagcggtca gggatgggca agttattgtt 180
ggggaccggg taggggaccc atttcctctc ctcagctccc cagagcacag agttgagatc 240
cgggaaatct tcaaagatgt caaagccctc ctcagtccac agtcccagcg cccagttccc 300
aaactctgag cccatctgcy ctgccacctc gtagccatca gggttcagtg agggcaccag 360
gtggatgcyt gtgtcctgca ccaggctgcy cacacgtggg ttcccatcgc ggtactctcg 420
gcacaggtac tgcatgagca gcagcaacag ctctcgggcc agcacctcgt tgccatggat 480
cccagcagtg tagcggaact cgggctcccc cagttcatgc tccccanggt tgtctgagat 540
ctccatggca tagatct                                     557
```

<210> 919

<211> 407

<212> DNA

<213> Homo sapiens

<400> 919

```
ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cggggtcttt aagggggaga gtgaccagc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcatcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaga 300
ttccagtcta agtatgagcc ccggagccac atgatggacg tccagggtc caccaggac 360
tcggccatca aggacttcgt gctgaagtac gcctcgcccc tggttgg                                     407
```

<210> 920

<211> 340

<212> DNA

<213> Homo sapiens



<400> 923  
ccactggggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60

```

tgagccaggc tgtttcctct ctatccagag gttttgtagt ttttaataaaa ccatcctctg 120
gattaatagt gaaaaatctg tcgagggtcag tgtgacgac gatggaatac cttatcgggc 180
tggtggcagc atcagggtct ttggcatgca ctctcccaac cacggtgcca gcag 234

```

```

<210> 924
<211> 152
<212> DNA
<213> Homo sapiens

```

```

<400> 924
ccaggattga caggccatcc attcacagcc aggagatgct gggccagttc ctccaagagg 60
tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctgagggtgac 120
tggagccccga gggcctgaca ggttcccagc ag 152

```

```

<210> 925
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<400> 925
caatatcatg ccaaggaccc aaacaacctc ttcattggtgc gcttggcaca gggcctgaca 60
catttaggga agggcacctt taccctctgc ccctaccaca gcgaccggca gcttatgagc 120
cagggtggccg tggctggact gctcactgtg cttgtctctt tcctggatgt tcgaaacatt 180
attctaggca aatcacacta tgtattgtat gggctggtgg ctgccatgca gccccgaatg 240
ctggttacgt ttgatgagga gctgcggcca ttgccagtgt ctgtccgtgt gggccaggca 300
gtggatgtgg tgggccaggc tggcaagccg aagactatca cagggttcca gacgcataca 360
accccagtgt tgttggccca cggggaacgg gcagaattgg 400

```

```

<210> 926
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<400> 926
ccacgtccct attttagaaa tgagaggagt gactgcacac aggaaaaatg ccacttttag 60
caattcaaag tggaaaaact tcttttatat aaaaattatc ccaactcca ccccttggct 120
ctcagtgttg catctccac agaggtaaag ttgtgccatt tcccacggc tttaaacaaa 180
gcaaaacaaa accaccaatc ctaataacct cctccctgc cccgtctcca cgctgtgcgg 240
agagggtctt agcccctcag toggacttct ccttctcctt catgtgcaag aagacgatgc 300
tgaagatgaa gagccccagc atcatggaga aggcgctggc gtagtagggg taggccgagg 360
ggatgaagcg ctcatactgc gtgtgctgga gtggccgcac ggatacctga gtggaagagt 420
acagggtgtg ttagcctagc cggttgtaat ccacttttaa ctggaataca ccatacacgt 480
cgggcaactt gaactgaaca ctgtatttgc cacttttctt c 521

```

```

<210> 927
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<400> 927
ccaggctagt ctggaactcc tgacctcagg tgatctgcct gcctcggcct cccaaagtgc 60
tgggattacc ggcgtgagcc accatgcctg gccttacatt ttttaaaatg aggggaacaaa 120
tgaataaatg accaccatgt taggggctgg ctctgaacag aattgtaaag tgggccaagc 180
ttgctctcaa ggtaacctta agcccacggg tgctgtgtcc tgccctctca gggtcatttc 240

```

```
<210> 928
<211> 492
<212> DNA
<213> Homo sapiens
```

```
<210> 929
<211> 209
<212> DNA
<213> Homo sapiens
```

```
<210> 930
<211> 617
<212> DNA
<213> Homo sapiens
```

<210>	931
<211>	521
<212>	DNA



aagtgcact ggtttaccag gcag

384

<210> 935  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 23, 24  
 <223> n = A,T,C or G

<400> 935  
 nttaaaattc atggaagtaa tannacagta ataaaatatg gatactatga aaactgacac 60  
 acagaaaaac ataaccataa aatattgttc caggatacag atattaatta agagtgactt 120  
 cgtta 125

<210> 936  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 519  
 <223> n = A,T,C or G

<400> 936  
 gccatgcca gcgtgtggct agcacgcaca acttgtggct gctgtccttc ctgaggaggt 60  
 ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgctgc 120  
 ggaatctaca accccatgat gcgggtctct accagtgcc aagcctccat ggagtgagg 180  
 ctgacacccct caggaaggct ctggtggagg tgctggcagg ttctcccgcc aaggttctcc 240  
 ccctgcctcg aggaggaagg ggtgagggc tcatggctct gcctccata gaccccttg 300  
 atcacccgga tgctggagat ctctggttcc ccggggagtc tgagagcttc gaggatgcc 360  
 atgtggagca cagcatctcc aggagcctct tggaaggaga aatccccttc ccacccactt 420  
 ccactcttct cctcctggcc tgcatcttcc tcatcaagat tctagcagcc agcgccctct 480  
 gggctgcagc ctggcatgga cagaagccag ggacacatnc acccagtga ctggactgtg 540  
 gacctc 546

<210> 937  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<400> 937  
 caccaatcaa aattcctggt ggtcctgaga ctttgggcag aatcatgaat gtcattggag 60  
 aacctattga tgaagagggt cccatcaaaa ccaaacaatt tgctccatt catgctgagg 120  
 ctccagagtt catggaaatg agtggtgagc aggaaattct ggtgactggt atcaagggtg 180  
 tcgatctgct agctccctat gccaaagggtg gcaaaatttg gttttttggt ggtgctggag 240  
 ttggcaagac tgtactgata atggagttaa tcaacaatgt cgccaaagcc catggtggtt 300  
 actctgtggt tgctggtggt ggtgagagga cccgtgaagg caatgattta taccatgaaa 360  
 tgattgaatc tgggtgttat aacttaaaag atgccacctc taaggtagcg ctggtatatg 420  
 gtcaaatgaa tgaaccacct ggtgctcgtg cccgggtagc tctgactggg ctgactgtgg 480  
 ctgaatactt cagagaccaa gaaggccaag atgtactgct atttattgat aacatcttcc 540

100754-100754

gcttcaccca

550

&lt;210&gt; 938

&lt;211&gt; 192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 28, 63, 148, 153

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 938

```

tttttttttt tttttttttt ttttttttngg aaaaagccca aaaggcactt tattggaggt 60
ctntgcctcc attcacagga aaaaggagct gggagcccca tcctaagggg cccagcatca 120
gcccactgga gggcctggaa cagtccanca ctntgtggga aaggagtggg gaggggaatg 180
ttttaaaaaa aa                                     192

```

&lt;210&gt; 939

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 939

```

ccaaaatatt ggaacacaca gaaccaaacc aggtgtgttc tacacctgca tgagtgaagg 60
atttccacgt agacacctag gaagagcccg catgccttag actcactcca gaggaaggat 120
tgatttgcaa ccagaaaggg agctgaaaac cacggagctc catggctctt cattcaaaag 180
ggaaaataat gattccacgt tgcttttttag agttcaaata aacatctttc tggataaata 240
tattttttta caatcttttt attatttgta aaagatatata aaacaactcc catcagtagc 300
aatacaaggt tatacatttt aaccagattt tctcagg                                     337

```

&lt;210&gt; 940

&lt;211&gt; 362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 940

```

cctgtccaaa cgtgcgccacc aggaccgagg ggagctccct cccaacacct gctaggaatt 60
gccaactttt aaatggatgg ggtttttttat ggggtgaacc tctgttaata cttttgtaca 120
ctctcactac agtttatatt tttataggct attttctcaa ggtgtttcta gattccacat 180
atctatttta tataacaagt tattatgtta tgtgtgtgac tcccttgtgt gtatctgtgc 240
cagcctcagc ctccgagttg cttttccctc tggccctgac tctcactgac tcaccgatgt 300
gggtgtgcagg cccaacttctt accccagata gcctcgggag ctgcctgtag tcatgccgac 360
ag                                     362

```

&lt;210&gt; 941

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 941

```

ctggacatct ttccagcccg ggatacctac catcctatga gcgagtaccc cacctaccac 60
acccatgggc gctatgtgcc ccctagcagt accgatcgta gccctatga gaagggttct 120
gcaggtaatg gtggcagcag cctctcttac acaaaccag cagtggcagc cacttctgcc 180

```

100754-10094  
 100754-10094  
 100754-10094

aacttgtagg ggcattgtcgc ccgctgagct gaggtagg

216

<210> 942

<211> 324

<212> DNA

<213> Homo sapiens

<400> 942

ctgattggct	tcaggccccc	tacctctata	aactctacca	gcattactac	ttcctggaag	60
gtcaaattgc	catcctatat	gtctgtggcc	ttgcctctac	agtcctcttt	ggcctagtgg	120
cctcctccct	tgtggattgg	ctgggtcgca	agaattcttg	tgtcctcttc	tccctgactt	180
actcactatg	ctacttaacc	aaactctctc	aagactactt	tgtgctgcta	gtggggcgag	240
cacttggtgg	gctgtccaca	gccctgctct	tctcagcctt	cgaggccagg	gagcctcaaa	300
tcttcagtct	ctcagagacc	acag				324

<210> 943

<211> 597

<212> DNA

<213> Homo sapiens

<400> 943

ctgacaaaat	tcctgggtta	ctaggtgtct	ttcagaagct	gattgcatcc	aaagcaaagt	60
accaccaagg	tttttatctt	ctaaacagta	taatagagca	catgcctcct	gaatcagttg	120
accaatatag	gaaacaaatc	ttcattctgc	tattccagag	acttcagaat	tccaaaacaa	180
ccaagtttat	caagagtttt	ttagtcttta	ttaatttgta	ttgcataaaa	tatggggcac	240
tagcactaca	agaaatattt	gatggtatac	aacccaaaaat	gtttggaatg	gttttggaag	300
aaattattat	tcctgaaatt	cagaaggtat	ctggaaatgt	agagaaaaag	atctgtgcgg	360
ttggcataac	caaattacta	acagaatgtc	ccccaatgat	ggacactgag	tataccaaac	420
tgtggactcc	attattacag	tctttgattg	gtctttttga	gttaccgaa	gatgatacca	480
ttcctgatga	ggaacatttt	attgacatag	aagatacacc	aggatatcag	actgccttct	540
cacagttggc	atttgctggg	aaaaaaaagag	catgatcctg	taggtcaaata	ggtgaat	597

<210> 944

<211> 359

<212> DNA

<213> Homo sapiens

<400> 944

ctggaagagg	aaaaggagat	actgcagaaa	gaactctctc	aacttcaagc	tgcacaggag	60
aagcagaaaa	caggtactgt	tatggatacc	aaggtcgtatg	aattaacaac	tgagatcaaa	120
gaactgaaag	aaactcttga	agaaaaaacc	aaggaggcag	atgaatactt	ggataagtac	180
tgttccttgc	ttataagcca	tgaaaagtta	gagaaaagcta	aagagatggt	agagacacaa	240
gtggcccatc	tgtgttcaca	gcaatctaaa	caagattccc	gagggtctcc	tttgctaggt	300
ccagttgttc	caggaccatc	tccaatccct	tctgttactg	aaaagagggt	atcatctgg	359

<210> 945

<211> 367

<212> DNA

<213> Homo sapiens

<400> 945

caggatctga	agtttggggg	cgagcaggat	gttgatatgg	tgtttgcgtc	attcatccgc	60
aaggcatctg	atgtccatga	agtttaggaag	gtcctgggag	agaagggaaa	gaacatcaag	120
attatcagca	aaatcgggaa	tcatgagggg	gttcggagggt	ttgatgaaat	cctggaggcc	180

```
<210> 946
<211> 335
<212> DNA
<213> Homo sapiens
```

```
<210> 947
<211> 384
<212> DNA
<213> Homo sapiens
```

```
<210> 948
<211> 173
<212> DNA
<213> Homo sapiens
```

```
<210> 949
<211> 211
<212> DNA
<213> Homo sapiens
```

<400> 949  
ccatccacgt tgnnaaacag aataaaatgg aaattcacct tgatcatctac ccgacattgg 60



```

ccttcctgtg ccacggcatc atgggctgcc tgtatggcct cattcttttc aaagcatttt 120
gctctgtctt caggggacat tttctctgtt tcagaaagaa actgtttcag aactgatcca 180
tcctcaaate ccagtttgct ttgattattg g 211

```

```

<210> 950
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 950
cctcatcggt agtcaggacg tgggtgaaagc tgcagtggct gctgtgctct ctccagaaga 60
attcatgggt ctgttggaact ctgtgcttcc tgagagtgcc catcggtga agtcaagcat 120
cgggctgata aatgaaaagg ctgcagataa gctgggatct acccagatcg tgaagatcct 180
aactcaggac actcccgagt tttttataga ccaaggccat gccaaagggtg cccaactgat 240
cgtgctggaa gtgtttccct ccagtgaagc cctccgccct ttgttcaccc tgggcatcga 300
agccagctcg gaagctcagt ttacaccaa aggtgaccaa cttataactca acttgaataa 360
catcagctct gatcggatcc ag 382

```

```

<210> 951
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 421, 456
<223> n = A,T,C or G

```

```

<400> 951
cctctctgcc aggcaaagga gggagctgcg gctctttgac attaaaccag agcagcagag 60
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tgggctcaag ccagacacgc agccacagat gattcaggcc aagctcttaa aggcagatct 180
tcacggggct attatttcag tgacaaaatc caaatgcccc tcttatgtgg gtattacagg 240
aatccttcta caggaaacaa agcacatttt caaaattatc accaaagaag accgcctgaa 300
agttatcccc aagctaaact gcgtgttcac tgtggaaacc gatggcttta tttcctacat 360
ttacgggagc aaattccagc ttcgggtcaag tgaacggtct gcgaagaagt tcaaagcgaa 420
nggaacgatt gacctgtgaa ttctttgccg tctaangcag ttgtttatga cag 473

```

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<210> 952
<211> 312
<212> DNA
<213> Homo sapiens

```

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<400> 952
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gatgatgttc tcttgggaga agcagaagac ccccaagcgg ccaccccgca tggttgtgtc 120
caagaccacg ttgctgtcgg ccaccagctc agggccctca tagaatcgca ccctgatgta 180
gcccacttgg ggccggtgct gcaggaacca acgataggac ttcttgcct tccaaccac 240
gtttcgcggt tccttcaca gcagccgcac ctgagactct gtgtctcctg tatgccacag 300
agcgttcgcg ag 312

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<210> 953
<211> 397
<212> DNA

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T00207-1000

<400> 953						
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aagagcaaac	cccaacatgt	ataaggtcac	agcaagtggg	agccaggaaa	agctgtggga	120
ccctcatttt	gagtcacatc	catatggcat	ggagaaagaa	aacctctctg	ccagaaggaa	180
ctgaactctg	gaagtcttaa	ggaaggtcac	catgatcagc	agataggaaa	gcattgccaa	240
gggctgtccc	tcaagagctt	agttttctta	gggagaccag	aaagacatca	gacctgact	300
gccctgtttt	gctcaagttc	tgaaatgagt	ggcatgatga	agagctgggtg	gagctgaggg	360
aaagagtcaa	ccatgtgggg	tggggtagtg	aggaagg			397

<400>	954					
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agctcctcag	ggagcatcat	ggggaagcgg	atcttctcca	ccaagccctc	cacctcctca	180
tgggaggcac	gtcccccca	gctccaggtg	tccacggcct	tcagtagggc	cagctcgctg	240
ggcaccgcc	ggtcgctcct	gggcagcagc	agttggagca	ggtctgtggg	gacactgggc	300
cagg						304

```
<400> 955
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aagaaatcgc agggaaaatgt tgataataag gaatatgcgg tcaatgaagt tgtggcagga 120
ataaaaagaat atttcaatgt gatgttgggc actcag 156
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<400>	956					
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agcagtatgg	agggaggatt	ttatggagaa	atggggatag	tcttcatgac	cacaaataaa	180
taaaggaaaa	ctaagctgca	ttgtgggttc	tgaaaagggt	attataacttc	ttaacaattc	240
tttttttcag	ggacttttct	agctgtatga	ctgttacttg	accttctttg	aaaagcattc	300
ccaaaatgct	ctatttttaga	tagattaaca	ttaaccaaca	taattttttt	tagatcgagt	360
cagcataaat	ttctaagtca	gcctctagtc	gtggttcatc	tctttcacct	gcatttttatt	420
tgggtgtttgt	ctgaagaaaag	gaaagaggaa	agcaaatacg	aattgtacta	tttgtaccaa	480
atctttggga	ttcattggca	aataatttca	gtgtggtgta	ttattaaata	gaaaaaaaaa	540
att						543

<210>	957
<211>	528
<212>	DNA

<400> 957

<210> 958

<212> DNA

<213> Homo sapiens

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catctacata	ggaccaaacc	caacaggcgc	cctggcaccg	gggaggcggg	tagttgtact	120
ctgcttgtac	agtccttgag	cccagtttac	agatctggag	agcaggaggc	caggacaagg	180
acaaaggctg	gaggatggag	taggaoccag	gggctctgcc	atcctaggca	tcattcaagg	240
tcttttatga	agactttaca	gatgtcctct	gtaagtagca	tcgagagtgg	agttcagctc	300
ctttctctac	ttttttttgg	tctgatggca	catattttatt	gttctgtggg	ctaatacacag	360
tgtttctaaa	tgtaaaaagt	gcatatgttg	gtgtagctag	tcccgcgaca	ttgagctcct	420
ctgcatgaag	acactgggct	cctgcatcca	g			451

<210> 959

<211> 158

<212> DNA

<213> Homo sapiens

<400> 959

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ccagaccaag gctgctggac ctatgggaat attcgggtgt ctgtagagga tgtgactgtc 60
ctggtggact acacagtacg gaagttctgc atccagcagg tgggcgacat gaccaacaga 120
aagccacagc gcctcatcac tcagttccac tttaccag                               158
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<210> 960

<211> 235

<212> DNA

<213> Homo sapiens

<400> 960

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gccagccct	aatatgcacc	cactagttta	gtcagactc	ctctctacat	atgaatggca	120
aaggcacttt	tgatatacac	tgtaaaatac	actgtatttt	agaatcggaa	tctattttct	180
aatgttcccc	tcaagggctg	agtggcagga	aggttgagga	tgcaggactt	tgcag	235

<210> 961

<211> 375

<212> DNA

<213> Homo sapiens

<400> 961  
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 atgccccaga atgccaaact aactcctccc ttcccttcct aatttccctt cttgcatcct 120  
 tcctataact tgatgcatgt ggtttggttc ctctctggtg gctctttggg ctggtattgg 180  
 tggttttcct tgtggcagag gatgtctcaa acttcagatg ggaggaaaga gagcaggact 240  
 cacagggttg aagagaatca cctgggaaaa taccagaaaa tgagggccgc tttgagtcct 300  
 ccagagatgt catcagagct cctctgtcct gcttctgaat gtgctgatca tttgaggaat 360  
 aaaattattt ttccc 375

<210> 962  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 14, 26, 73, 74, 81, 103  
 <223> n = A,T,C or G

<400> 962  
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 aagctggggc ctningctcct nctcatcaaa tacagatcac tnggaccctg tcctcctcca 120  
 tgggtgctgg ctctcgggcc ccactgcccc tgcttctgct ttcttctcc acctcctcct 180  
 cccccagctc catgtccagc tcgttgccctg cctctgaggg tgtgtagggtg gagccactga 240  
 tggaacggca gctaaagaag acgattcgct tgagccgctt gttgtagaag aagtagttga 300  
 aggaccagag gctaccatcc tccccgaagg gatctgagtc caagtctggg ttatagctgt 360  
 agatgtcaca ttcagccagg cagatctcct cgtccaccgc gttccacag 409

<210> 963  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400> 963  
 gccatggcgt cctattttga tgaacacgac tgcgagccgt cggaccctga gcaggagacg 60  
 cgaaccaaca tgctgctgga gctcgcaagg tcacttttca ataggatgga ctttgaagac 120  
 ttgggggttg tagtagattg ggaccaccac ctgcctccac cag 163

<210> 964  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<400> 964  
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 gagataaaga gctcttgtgt gtgttgctgg atgttcccat caatcagcca agaatactgt 120  
 gcagggtggg tagaggctgc atggcaggag aggtcgaggt tcaccctgg acggtaatat 180  
 gtgtatgagg gggaaatggt ggggtcgtct gggccataga ggacattcag gatgactggg 240  
 tcgctgtggt caacacttaa ttcgttcttg attccacact catagggtcc tacatcattc 300  
 cttgtgacac tgagtagagt gagggtcctg ttgtcattgg acag 344

<210> 965  
 <211> 461  
 <212> DNA

1007494001

<212> DNA

<213> Homo sapiens

<400> 969

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cagggtgtcag gatcagaatc atgggtagaa ggtgccattc agctcacagc cgcaccacaga 120
atccttttgca gccctccttc tttatttttt tcccattgca ttctgggagt ccacatctgg 180
ctttctcagc cactgttcat caccaggggt tttaggagga aggcttggt cctgtcttcc 240
cagacccacc atgcctggag aggtcaggat ggaactacct cattcggcga attagcccca 300
aattgaacgc tgaatcgtgt cccatgagat caggcgccat ctgtaaagtc tcctctggaa 360
atgccaatcc atccttcccc cag 383
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<210> 970

<211> 543

<212> DNA

<213> Homo sapiens

<400> 970

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tacttgttgt tgctttgttt ggaggggtgt gtggtctcca ctccgcctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
agtgtggcct tggtggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
gcagccttgg gctgacctag gacggctcagc ctggctccctc cgccgaacac cgaagtgcta 300
ctgtttgtat atgagctgca gtaataatca gcctcgtcct cagcctggag cccagagatg 360
gtcagggagg ccgtgttgcc agacttgagg ccagagaagc gattagaaac ccctgagggc 420
cgatcagtga catcataaat catgagtttg ggggctttgc ctgggtgctg ttggtaccag 480
gagacatagt tataaaaaacc aacgtcactg ctggttccag tgcaggagat ggtgatcgac 540
tgt 543
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<210> 971

<211> 416

<212> DNA

<213> Homo sapiens

<400> 971

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ccagactgac ttcaaaaaat taatgtgtat ccaggacat tttaaaaacc tgtacacagt 60
gtttatttgt gttaggaagc aatttcccaa tgtacctata agaaatgtgc atcaagccag 120
cctgaccaac atggtgaaac cccatctgta ctaaacataa aaaaattagc ctggcatggt 180
ggtgtacgcc tgtaatccca gtgacttggg aggctgaggc aggagaatcg cttgaacccg 240
ggaggcggag gttgcagtga gctaagatcg caccactgta ctccagcctg ggcaacagcg 300
agactccatc tcaaaaaaaa aggaaatgtg tatcaagaac atgattatcc aggggtattt 360
tctaattcag atcatcaaac tgattatata gaagagttgg ctttaaaatg tttgca 416
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<210> 972

<211> 242

<212> DNA

<213> Homo sapiens

<400> 972

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ccaaaaatcc caaaacatca ttttcaatca gtagagaagt gcttaggggt gaaaattgat 60
ttcatttgct actgaatttg gtaaactcct ggtaactttt atcaagatga agacatttta 120
ccctacctac tctagaaata tacaacaatg ttatatttta cactccttgg aaacatttga 180
ggaaaaaaat gcaatttgca cttcactttg ttggaatatc ccatagcact caataaactc 240
ag 242
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1003754-10901

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<400> 976
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tggccctgcc atcttcattg gctgggcagg gtctgcccta gtcacctctg gaggtgcact 120
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gctctcctgt tcctgtcctg ggaatgagag caaggctggg tacctgtcac cccgctctta 180  
 ccctaagtcc aactcttcca aggagtatgt gtgacctggg atctccttgc cccagcctga 240  
 caggctatgg gagtgtctag atgcctgaaa gggcctgggg ctgagctcag cctgtgggca 300  
 ggggtgccgga caaagg 316

<210> 977  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 977  
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 agggagcaaa tattcgggtt gtgttgctaa gactcgcagg aactactgct agtgatacta 120  
 ggcttgctgc aggaggatgt cacgctgaga aaggagatg actaggagca gaaaaagtac 180  
 tctcactgtt ccagcttcca gcccaatcct agcagaatga atgcatttta aaatcagtcc 240  
 acattcacat gtgctgagaa ggttgtagt ggtccctcat ctgggcaaag cagacccaag 300  
 atggtgctaa gtgcagagtg cagagcattc ttgtg 335

<210> 978  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 978  
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 tcataataag cccttgggat ttgctgagct cccacatggc tttcttcaac cacctggccc 120  
 actttcttca accacattcc actttggaat gcgtgtcttt aaggcaccaa gtgatcttaa 180  
 gaatgggctc tgtttttgaa ttcagcaatc caagttccta tctatctcgg tgggacctcc 240  
 aaaaaaaga aaaaggattg gcttggcttc taatgtaagg 280

<210> 979  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 979  
 ctgtccagat gacagtaaga ttccactgtc tgtaatcctc atggtgccag gtctcctggg 60  
 gcatctaggg caatgatgct actgcagttt atgcagttac acagtcaagt ctgtgccaaa 120  
 ggaggtccca tccggcggcc aggtttctgt tcagtctggg gagcaatgcc aactggctgc 180  
 ccccatagcc tggcatgagc tgatggccca gtgcaatccc aaagcaaaga agggcagaac 240  
 tgggccaaga agctgtggta atttgctctc cctgcctccg acagcgtcgt cctctccttt 300  
 tgcagcccca cacgcagg 318

<210> 980  
 <211> 568  
 <212> DNA  
 <213> Homo sapiens

<400> 980  
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 aatctgtgaa gtggatctag tgatcagttt gaatattcca tttgaaacac ttaaagatcg 120  
 tctcagccgc cgttgattc accctcctag cggaagggtg tataacctgg acttcaatcc 180  
 acctcatgta catggtattg atgacgtcac tgggtgaaccg ttagtccagc aggaggatga 240  
 taaacccgaa gcagttgctg ccaggctaag acagtacaaa gacgtggcaa agccagtcac 300



tgaattatac aagagccgag gagtgtcca ccaattttcc ggaacggaga cgaacaaaat 360  
 ctggccctac gtttacacac ttttctcaaa caagatcaca cctattcagt ccaaagaagc 420  
 atattgaccc tgcccaatgg gagaaccagg aagatgtggc cattcattca atagtgtgtg 480  
 tagtattggc gctgtgtcca aattagaagc taactgaggt agcttgcagc atctcttcta 540  
 gttgaaatgg tgaactgata ggaaaaca 568

<210> 981  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<400> 981  
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 gcttacatat aatttttcatt cttagaaaaa cgccacattt tggatcctgg atttttctga 120  
 atatcatgat tgaaaaaaac aaaacaaaaa atgaacccaa atcaaaagtg gggttaaactt 180  
 atattgagaaa gatttttcaa ccagatgggc attcaaaaaa gttggagctg taagtgcggg 240  
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 ttcagtcttg cttgggtcaat gacatcgagt aagtttttgg catccacagc cagggcggtga 420  
 gcagcagtcg gcatttgctt tttgtactct tgcgtggaggc tggtcatgac atactgctgg 480  
 gccagtttca tcttgttgat gagctcacc aggtcagagt tcaatagctt ctgtgccatc 540  
 tcaatctctc 550

<210> 982  
 <211> 524  
 <212> DNA  
 <213> Homo sapiens

<400> 982  
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 ctgggcactg cccagagtga tggcattggc ccgcatgctg ttctgtctct gcttggacac 120  
 cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180  
 ggctgaggtc tccaggaaga gcagtcatt gttttcagcg aacattcggg cctcctcagt 240  
 gggcacttcc cgggcctggc tgaggctact tttgttacc acgagcatga cgacgatcgt 300  
 ggcttcagca tggtcataga gctccttcag ccacgcgtcc accacagcat aggtctggtg 360  
 cttgggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacc cttgaagaca 420  
 aagttataat cttcctcagt tccattcccc atcttggctc cgcatggagg gtgcagggtg 480  
 cttcggggac agaggcgaca aatctgtgtg ttggctcaat gcc 524

<210> 983  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 983  
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 acctgccct gtgtgtgcac aggcagctcc actcggcaca tcgtgacctt tgatgggcag 120  
 aatttcaagc tgactggcag 140

<210> 984  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

307547001

&lt;400&gt; 984

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actgcatcaa acaggtgctg aaaataaata ctacctagga gaaggagggtg agagccctcg 120
tgtgggggttt gttttcgacc ccttgagtgt gtgtgggggtt tgttttccga gccacgagcc 180
tggcctgtct cgcggtgctg ttcactctga cagagtgcgc ctgcagcacg ttgcctccag 240
ggcccagcct cccagaagcc tcagagcatc agagcatccg tcccatcgga tggaccagaa 300
acaagaaaat ggggtggggt gaatcacagc tatcattcaa aggaaaggaa tttttttc 358

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&lt;210&gt; 985

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 985

```

ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcattctt cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgtttttt ttacaaacta tagatatata 240
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agaaaatgcc agaaacatct ttaaattgcct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caactttgat 420
acagtttcag ggtgctccag acacccatgg

```

&lt;210&gt; 986

&lt;211&gt; 340

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 986

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cctcctgcca gcagttcttg aagcttcttt ttcattcctg ctactctacc tgtattttctc 60
agttgcagca ctgagtgggtc aaaatacatt tctgggccac ctcagggaac ccatgcatct 120
gcctggcatt taggcagcag agcccctgac cgtccccac agggctctgc ctcaagtcct 180
catctcattt ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
ttgaccatat ccagttttat ttattttatt ttaatttgtt tttttctcca agtccaccag 300
tctctgaaat tagaacagta ggcggtatga gataatcagg

```

&lt;210&gt; 987

&lt;211&gt; 227

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 987

```

ccaatgccc gagcaggccc tctttccatc ccgtgtcgga tgagctgggtc aactatgtca 60
acaaacggaa taccacgtgg caggccgggc acaacttcta caacgtggac atgagctact 120
tgaagaggct atgtggtacc ttcttggttg ggcccaagcc accccagaga gttatgttta 180
ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg

```

&lt;210&gt; 988

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 988

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cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60

```

```
tcaaacctgc cggggcttct cccgcctttt ttcccggcgg cgggagaagt agattgaagc 120
cagttgatta ggggtgcttag ctgttaacta agtgtttggt ggtttaagtc ccattgggtct 180
agtaagggtc tagcttaatt aaagtggctg atttgcgttc agttgatgca gagtgggttt 240
t                                                    241
```

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<210> 989
<211> 193
<212> DNA
<213> Homo sapiens
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<400> 989
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ttgaaatcaa ttccgatggt ggagatgtaa gtgttggtga agttgtcctc tgcaaagcga 120
atgatcagac aagtcttgcc ccccccgag tccccgatca gcagcaactt gaagagggtg 180
tcgtaggctt tgg                                                    193
```

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<210> 990
<211> 499
<212> DNA
<213> Homo sapiens
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<400> 990
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ctctcctcct ccagcaggcg ccatgcaagg gcaggctaaa agacctccag tgcataca 120
tccatctagc agagagaaaa ggggcactga agcagctatg tctgccaggg gctaggggct 180
cccttgcaga cagcaatgct acaataaagg acacagaaat gggggagggtg ggggagccct 240
atTTTTataa caaagtcaaa cagatctgtg cgttcattcc cccagacaca caagtagaaa 300
aaaaccaatg ctgtgggttc tgccaagatg gaatattcct cctcctagtt ccacacatgg 360
cgtttgcaat gctcgacagc attgcactgg gctgctgtct ctgtgttctg gcaccagtag 420
cttgggcccc atatacactt ctcagttccc aacaagggtc tatgggccga ggggcagggt 480
ccaattttca agcacacga                                                    499
```

```
<210> 991
<211> 262
<212> DNA
<213> Homo sapiens
```

```
<400> 991
ctgccagcca ggctgtggtc agtcctctgg caggcaatct tcggcaccga gagcctctgt 60
ccattagtgt cagccccgag gggggccacga cggaggccgc ccaatgtcca ctgtgatatt 120
ggtgaagagt ggttgccgag acacctccaa gacctggtac cgcactgacc caatgccgtc 180
ccgcttcatg gtcagcttcg tgttttgaat cttggtaaac ctctgagggt taggttcgtt 240
atgcttgctg cggtcgtgct tg                                                    262
```

```
<210> 992
<211> 535
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 90, 91, 467, 524
<223> n = A,T,C or G
```

<400> 992  
 ctgctgcttg tgaattcat gtgtggtact aagtacctta catgaattat ttcattttaac 60  
 cctcccaaca gtctcctttg tacgtgctgn nctctctgcc tggaaacact gtttcccacc 120  
 cccaaccccc aattcttctg tttatttttc ttgagacaga gtctcactgt gtagcccaga 180  
 ctggagtgcg gtggcgcgat ctcggtcac tccaatctcc gcctcccggtg tccctgttca 240  
 agcagttctc ctgcctcagc ctctgagta gctgggatta caggcacacg ccaccatgtc 300  
 cagctaattt ctgtattttt agtagagatg gggtttcacg atgttggtta ggatgggtctc 360  
 gatctctggt cagagtcctt tctgtaaata tccttggtta agaagcaatt ttagactgta 420  
 gctgttgcaa atgctttaag gaagaagcaa aacaactgtc agtcttctg aaatgaagaa 480  
 actacaccag ggctgctata tcagagcaac cccaaccagc actncaatca tgatg 535

<210> 993  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 993  
 ctgctgctct cccctcccag tctctactca ctgggatgag gttaggtcat gaggacacca 60  
 aaaacctaaa aataaaca aaagccaaaca agccttagct tttcttaaag gctgaaatgc 120  
 ctggaagtgt cccctttatt ataaaataac tttgtcata tttcttatac atgtttcttg 180  
 taagaaattc agaaactaca gacaaagaga gtggaatta cccactgtca gg 232

<210> 994  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 994  
 ccagcagatc atccacgacg accaccctct gtccctggctc cagggcgtct ttctgaatct 60  
 ccagctcagc cttcccgtac tccagggaat aggaggccca cagagtgggg cctggcagct 120  
 tccccgctt tcggatgagc acgcagccca gtccaagctc ctgggccagg gaggggcca 180  
 agaggaagcc tcgggagtct agg 203

<210> 995  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 995  
 ccatgcctgc cccgcccact ctgtatatat gtaagttaaa cccgggcagg ggctgtggcc 60  
 gtctttgtac tctggtgatt tttaaaaatt gaatctttgt acttgcatg attgtataat 120  
 aattttgaga ccaggtctcg ctgtgttgct caggctggct ccaaactcct gagatcaagc 180  
 aatccgccca cctcagcctc ccaaagtgtc gagatcacag gcgtgagcca ccaccagg 238

<210> 996  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 996  
 ctgcagcctg ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtgtt 60  
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttgaggtt 120  
 gttgctggag atggagggtc tgggcagctc cgggtatata tggaactgtc cggttgcttc 180  
 ttcattcaca agatctgact ttatgacttg tagggatatag aatcctgtgt cattctgggt 240

gacgttctgg atcagcaggg atgcattggg gtatatgtgc tctcgaccac tgtatgcggg 300  
 ccctggggta gcttggtgag ttcctattac atatcctaca attagactgt tgccatccac 360  
 tctttcgctt ttgtaccag 379

<210> 997  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 997  
 ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60  
 agctttgggtg caattcccat cgaccagagt tgggccgacc agccttgga aggtcactga 120  
 aaaatcttca attggattat gttgacctct accttattca ttttccagt tctgtaaagg 180  
 ccgtggagaa gtgtaaagat gcaggattgg 210

<210> 998  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 61  
 <223> n = A,T,C or G

<400> 998  
 ggtggctgtg ctggggggcgc cccacaaccc tgctcccccg acgtccaccg tgatccacat 60  
 ncgcagcgag acctccgtgc cgcaccatgt cgtctggtcc ctggtcaaca ccctcttcat 120  
 gaacccctgc tgcttgggct tcatagcatt cgcctactcc gtgaagtcta gggacaggaa 180  
 gatggttggc gacgtgaccg gggccca 207

<210> 999  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 999  
 ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60  
 atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120  
 tggcagacct catgcaatgc cctccatgtt aatattcatc agaaaatgga taattagggg 180  
 ggccagcaaa aatatcaagg gtcaaatatc gcacatttct gtttaggcca tctatggctt 240  
 tcatctcttc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300  
 cattgtagct cttgg 315

<210> 1000  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 1000  
 ctgttactca agaagatgta tttaatgctt gacaataaga gaaaggaagt agttcacaaa 60  
 ataataagagt tgctgaatgt cactgaactt acccagaatg ccctgattaa tgatgaacta 120  
 gtggagtggg agcggagaca gcagagcgcc tgtattgggg ggccgcccga tgcttgcttg 180  
 gatcag 186

<210> 1001  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 1001  
 ccacaaagcg gaaactcatc cactttttgcc tttttccgcc ccagggtcaaa aatgcgaatc 60  
 ttggcatcag ggacacctcg gcagaagcga gactttgggt acggcttggt cttacaatac 120  
 cggtaacaac gggcggggcg gcggcccatg gcgacaccag gatcttcagt ggc 173

<210> 1002  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 1002  
 ctgaatgcct gagcccagca gggagctgag gatcatgggg tactgggggg gcctgaagac 60  
 gtcgccgtgc accaacttcc acccagactc ctccatgggt tcttcaatgt catcctcctt 120  
 gttgtagtgt gcaatgtcct tccggagggt ccgaatgata atcatgctca ggatacctga 180  
 caggaagaag accacaacaa cggagttaat gatagaaaac cagtggatct ggacgtcact 240  
 catggtcagg taagtgtccc agcgagaggc ccatttgata tcactttcct cccagtggac 300  
 ag 302

<210> 1003  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 1003  
 cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60  
 ttattttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120  
 ggctcactgc aacctctgcc tccctgggctg cagtgattct cctgcgttca agtaattctc 180  
 ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240  
 tttgtatttt tagtagaaat ggggtttcac catgttggtg aggtctgtct cgaactcccg 300  
 acctcaagga tctctctgcc tcggcctcct aaggtgctgg gattgcaggt gtgagccacc 360  
 acgtctgg 368

<210> 1004  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<400> 1004  
 ctgggcggat agcaccgggc atatttttga atggatgagg tctggcaccc tgagcagtcc 60  
 agcgaggact tggctcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120  
 gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180  
 ttacaggggt gggcacagct cgtacacttg ccatttctctg catatactgg ttagtgagggt 240  
 gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg 294

<210> 1005  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1005
ctgaagcact cttcagagac tacgtccaca gacactgatg ctgaggcctt tcttgtaagt 60
gaagaaaaag gaatgcagca aagaagagtt cgacattgga gtccttagtt ccatcaggat 120
cccatcgca gccttttagca tcatgtagaa gcaaactgca cctatggctg agataggtgc 180
aatgacctac aagattttgt gttttctagc tgtccaggaa aagccatctt cagtcttgct 240
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaagc agccgaacca 300
atgattaaag acctctaagg ctccataatc atcattaaat atgccccaac tcattgtgac 360
tttttatttt atatacagga ttaaaatcaa cattaaatca tcttatttac atgg 414

```

```

<210> 1006
<211> 272
<212> DNA
<213> Homo sapiens

```

```

<400> 1006
cggagccca cgggtggcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acaggggtga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272

```

```

<210> 1007
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 14
<223> n = A,T,C or G

```

```

<400> 1007
cctgccttac tctnttccct ttccccaggg actcttggtt ttcagaagcc cctctggaat 60
gtcctacctg gcctaacccc ataccagcag tgcagacaag gaggcactcc tactatagtg 120
gggtccagccc atggagagac tcaacttctg cccaacacc tcttccccta gaccctgagg 180
gccaggacaa tgtcttagtg ccttccaact tggcagagtg aggcccatg agacagagag 240
aaagggggaa gagggaaata cctttatcca aataaatacc catccaaaat tatttgtgat 300
aggtgaaaaa tgg 313

```

```

<210> 1008
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<400> 1008
cctcaatgtc gtgctagagg ggccgaagaa ggccgtgaac gacgtgaatg gcctgaagca 60
atgtttggca gaattcaagc gggatctgga atgggttgaa aggctcgatg tgacactggg 120
tccggtaccg gagatcgggtg gatctgaggc gccagcacct cagaacaagg accagaaaagc 180
tgttgatcca gaagacgact tccagcgaga gatgagtttc tatcgccaag cccaggccgc 240
agtgttgca gtcttaccct gcctccatca gctcaaagtc cctaccaagc gaccactga 300
ttattttgcg gaaatgg 317

```

```

<210> 1009

```

<400> 1009

<210> 1010

<400> 1010

$\langle 210 \rangle$  1011

<400> 1011

<210> 1012

$\langle 220 \rangle$

<400> 1012

ccaggaccac	aaccccacgc	tgtagctggt	agcgcagggc	aatcagggct	ggggttcgct	60
tgtgcttttt	tgccaaggca	caaaggactg	ggctctccaa	gagcaccggg	gagttcgggt	120
ccaccatatt	ttcttctcgg	tgggatccca	gagcactata	ggcaaccaga	acaatgtctt	180



```

ttgacttgca gaaatccagc agttttctct ggttgaagta aggatgacat tccacctggt 240
tgcagacagg cttgtacttg agccctggct tgtnnaggat catctccag 289

```

```

<210> 1013
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 98, 99, 132, 133, 180
<223> n = A,T,C or G

```

```

<400> 1013
tctgtaaatg ctgcgttcct aatttagtaa aataaaagaa tagacactaa aatcatgttg 60
atctataatt acacctatgg gatcaataag catgtcanna ctgattaatg tctactgtaa 120
aaatttggtg gnnaaathtt catttgatat tagatataaa tatctgaata taaataattn 180
taatatacta gtcatgatgt gtgttgattt ttaaaaatta t 221

```

```

<210> 1014
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<400> 1014
gggccccgga agcctctaca atgggctggt tgccggcctg cagcgccaaa tgagctttgc 60
ctctgtccgc atcggcctgt atgattctgt caaacagttc tacaccaagg gctctgagca 120
tgccagcatt gggagccgcc tcttagcagg cagcaccaca ggtgccctgg ctgtggctgt 180
ggcccagccc acggatgtgg taaaggctcg attccaagct caggcccggg ctggaggagg 240
tcggagatac caaagcaccg tcaatgccta caagaccatt gcccgagagg aagggttccg 300
gggcctctgg aaagggaact ctcccaatgt tgctcgtaat gccattgtca actgtgctga 360
ggcggcgacc tatgaacctc tcaaggatgc cctcctgaaa gccaacctca tgacagatga 420
cctcccttgc cacttcaact ctgcctttgg ggcaggcttc tgcaccactg tcatcgcttc 480
ccctgtagac gtggtcaaga cgagatacat ga 512

```

```

<210> 1015
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 518
<223> n = A,T,C or G

```

```

<400> 1015
ctgggcagga agattatgat cgcccagagg ccctctccta cccagatacc gatgttatac 60
tgatgtgttt ttccatcgac agccctgata gttcagaaaa catcccagaa aagtggacc 120
cagaagtcaa gcatttctgt cccgacgtgc ccatcatcct ggttggaat aagaaggatc 180
ttcggaatga tgagcacaca aggcgggagc tagccaagat gaagcaggag ccggtgaaac 240
ctgaagaagg cagagatatg gcaaacagga ttggcgccct tgggtacatg gagtgtctag 300
caaagaccag agatggagtg agagagggtt ttgaaatggc tacgagagct gctctgcaag 360
ctagacgtgg gaagaaaaaa tctgggtgcc ttgtcttgtg aaaccttgct gcaagcacag 420
cccttatgcg gttaattttg aagtgcgtgt tattaatctt agtgatatgat tactggcctt 480

```

<400>	1018						
ggagtaagct	gagtacaagt	accatagcag	cagagctgca	aaaggtcttg	ggacctatag	60	
tcctaattgca	agataaggtc	atggggccta	aggccatggg	gcctgaggca	cccctagacc	120	
ctgagccttc	agcattttaag	ggagggtgtc	ccccattct	cgataggcca	tggtacacag	180	
atgggtctag	cagaggtgct	ataactgctt	ggaccactgt	tgcagtccaa	cctagtactg	240	
acactatatg	gtttgaaacc	cggtgtggac	aaagtagcca	atgggctgaa	cttagagcag	300	
tgtggatggt	gatcaccaag	gagggtgacac	tgatggtaat	ctgtatcaat	agctgggtgg	360	
tctaaccaag	cttaacccttg	tgggttaacta	cctggaaaat	acagaagttg	ctagtcggcc	420	
acacaccat	ttggggtcaa	gccacgtggc	aagacctctg	ggaaatgggt	catcagaaac	480	
aagtaaccqt	ttatcatqtg	tca				503	

<210> 1019  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 1019  
 cctgtgtatg gagtagaggc ggggtgcacgg gtactgttcc tcacggcagt caagaggccc 60  
 aggetctgtg ggotccagct ctgcatttcc cggttctggg gttggggctg ggatgacttc 120  
 ctgttggact tgctgctggg actggaactg gaactgttcc tcggagggcc gaggagtcac 180  
 ctcttgataa tcatagtagt ctgggttgtc gatctggtcg ctatagtggg tgtactggac 240  
 gtggtcaggg aacggcggca gcgggtccag gtcatactgg ccctgagcca gcaagcctgc 300  
 aggcaggaat agcaggaaga ggtaggcagc tctcatggca acaaagag 348

<210> 1020  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 1020  
 ccacacggcg accgagggac agatggggcc ctgcgtccca taggctgcct gaaggtgggt 60  
 agggcggcct gcggcatagt ggggtggctg tgggctccca gcctggcccc tgggaaccgt 120  
 gggagcacag ggacaagcac atggctatgg aatgcagggt gacccaagga caagcgagtt 180  
 gcggggatct ctactgtgac catgcagaat tgatcgcagt ctgctgcgcc accaccacct 240  
 catgttcccc aggggaacag 260

<210> 1021  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 1021  
 ccttatgact ataacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60  
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120  
 ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccagc ctaccagcaa 180  
 taccaggatg ccgctaacia cctgagagaa gattacaaat ttcaccacac tttcagcaca 240  
 gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300  
 ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccaggac 360  
 tcggccatca aggacttcgt gctgaagtac gccctgcccc tgggttgg 407

<210> 1022  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 1022  
 ccaccccaga gtgggagagg ctgggagggtt gggaggctgt ggagagaagt gagcaagggtg 60  
 ctcttgaacc tgtgctcatt ttgcaatatt atcagtaatt tgacttagag tttttacgaa 120  
 acctcttttg ttgtccttgc 140

<210> 1023  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 1023  
 ctggaggtgc ctcagaaggt gcattctgct tcttgcaggg gcttgaaaca ccaaggcact 60  
 ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120  
 gggtagccgc agtccaccct gtccttggct ggcacggcac actggtttgc agacaggccc 180  
 gcgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240  
 gctctggcag ccatgaccac cgtgggctcc gggacgcagc 280

<210> 1024  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 262  
 <223> n = A,T,C or G

<400> 1024  
 cctggctgag caggcagagc accctgggac cccagggcag aaggaccct gccctccagt 60  
 cccaagacc caggcccgtc tccactcata cagccacct acatgtgacg tcagccctga 120  
 aaaggtaca ggaaagtcca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta 180  
 gcagagtaat accggaaacg ttatatacac aggcgggtgat ggccccctcg gaagtgtccg 240  
 ggtcacttag ggggcactgc anaggtccct gtgg 274

<210> 1025  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 427, 431, 440  
 <223> n = A,T,C or G

<400> 1025  
 gcaaagagtg tactgtgctt gaggcagagc actcacacat aaatggctgt gtgtggaatt 60  
 gcttgccaaa gaagtttcta gcctttccct ttcccctaac tgcattcaggg aagaattctt 120  
 atctctagct tggtttccac atgagggtttt tctgagaagg gcttgggaca agaagtctgt 180  
 catgttagtt aagcaggcaa gaaatcctac taatccagtt ttgtttgaaa gttgtttgtc 240  
 cgtatgattt tttaaaagtc aagtttaatt tcaaaaaaac ttttttttct gagattactt 300  
 ttggggtaat atttaaaatg agagacattt tgtaaccctg taaaatacat aggggaatata 360  
 acattccagt gtatacaaa aaggcaaatt ctttaaatcaa ataaagcgca ttataaaatc 420  
 aaaaaananaa naaaaaaaaaa aaaaaa 446

<210> 1026  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 1026  
 ctgtgagaga gatgctcaat atgccccagg ctatgacaaa gtcaaggaca tctcagaggt 60  
 ggtcaccctt cggttccttt gtactggagg agtgagtccc tatgctgacc ccaatacttg 120  
 cagaggtgat tctggcggcc ccttgatagt tcacaagaga agtcgtttca ttcaagttgg 180

tgtaatcag

189

&lt;210&gt; 1027

&lt;211&gt; 92

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1027

ccagaccctc cttagtacag gatctcggac cacaaaccaa ggagtctcgt ggccttggat 60  
 tcccagaccc taggatggta tccctctgac ag 92

&lt;210&gt; 1028

&lt;211&gt; 438

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1028

ctgaaaagcc atcttttgcatt tgttctctcat ccgctctcctt gctcgcgcga gccgcctccg 60  
 ccgcgcgcct cctcgcgcgc cgcggaactcc ggcagcttta tcgccagagt ccctgaactc 120  
 tcgctttctt ttttaatcccc tgcctcggat caccggcgtg ccccaccatg tcagacgcag 180  
 ccgtagacac cagctccgaa atcaccacca aggacttaaa ggagaagaag gaagttgtgg 240  
 aagaggcaga aaatggaaga gacgcccctg ctaacgggaa tgctaattgag gaaaatgggg 300  
 agcaggaggc tgacaattgag gtagacgaag aagagggaaga aggtggggag gaagaggagg 360  
 aggaagaaga aggtgatggt gaggaagagg atggagatga agatgaggaa gctgagtcag 420  
 ctacgggcaa gcggggcag 438

&lt;210&gt; 1029

&lt;211&gt; 330

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1029

ccagccgcat gggagtggag gcagtcacgc ccttgctaga ggccaccccg gacaccccg 60  
 cttgcgtcgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gagtgcgtgc 120  
 agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac 180  
 tccgagggag gagcttttgcg ggcaacctga acacctataa gcgacttgcc atcaagctgc 240  
 cggatgatca gatcccaaag accaatcgca acgtagctgt catcaacgtg ggggcacccg 300  
 cggctgggat gaacgcggcc gtacgctcag 330

&lt;210&gt; 1030

&lt;211&gt; 228

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1030

ctggagactc tggggccagga gaagctgaag ctggaggcgg agcttggcaa catgcagggg 60  
 ctggtggagg acttcaagaa caagtatgag gatgagatca ataagcgta agagatggag 120  
 aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180  
 gagtctcgc tgggaagggt gaccgacgag atcaacttcc tcaggcag 228

&lt;210&gt; 1031

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1027  
1028  
1029  
1030  
1031

&lt;400&gt; 1031

```

ccacaaagcc attgtatgta gctttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcagggttact tcatggcagc tatccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag      294

```

&lt;210&gt; 1032

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1032

```

ggaggtatta cagacagcac tgcactttgg agttgggcag ctacatcgag gacctctttg 60
tgggtccacag tgacctctcc agcattgtga tcttgataaa ctccccaggg gcttacagga 120
gcatccaga caatgccatc cccatcaaat cctggttcag tgacccacgc gacacagccc 180
ttctcaacct gctccaatg ctgggtgccc tcaggttcac cgctgatgtt cgttccgtgc 240
tgagccgaaa ccttcaccaa catcggtctt ggtgacgg      278

```

&lt;210&gt; 1033

&lt;211&gt; 155

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; 9, 17, 31, 74, 75

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1033

```

cgcggttcanc catgttnaaa ccgattgcat naacttcgaa accggcccgc ccgcccggcgc 60
ctggagaggg gcanngggag aagcagagag tttatcattc atctgtacac atagacgttt 120
cttctttaa taacaccacg ggcgggagcc ccac      155

```

&lt;210&gt; 1034

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1034

```

ctggaccagc accccattga cgggtacctc tcccacaccg agctggctcc actgcgtgct 60
ccctcatcc ccatggagca ttgcaccacc cgctttttcg agacctgtga cctggacaat 120
gacaagtaca tcgccctgga tgagtgggccc ggctgcttcg gcatcaagca gaaggatata 180
gacaaggatc ttgtgatcta aatccactcc ttccacagta ccgattctc tctttaacct 240
tccccttcgt gtttccccca atgtttaaaa tgtttgatg gtttggtgtt ctgcctggag 300
acaagtgct aacatagatt taagtgaata cattaacggg gctaaaaatg aaaattctaa 360
ccaagacat gacattctta gctgtaactt aactattaag g      401

```

&lt;210&gt; 1035

&lt;211&gt; 333

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1031  
 1032  
 1033  
 1034  
 1035

<400> 1035  
 ctgagctggg ggttgaattt ctccaggcac tccctggaga gaggacccag tgacttgtcc 60  
 aagtttacac acgacactaa tctcccctgg ggaggaagcg ggaagccagc caggttgaac 120  
 tgtagcgagg cccccaggcc gccaggaatg gaccatgcag atcactgtca gtggagggaa 180  
 gctgctgact gtgattaggt gctgggggtct tagcgtccag cgcagcccgg gggcatcctg 240  
 gaggctctgc tccttagggc atggtagtca ccgcgaagcc gggcaccgtc ccacagcatc 300  
 tcctagaagc agccggcaca ggaggggaagg tgg 333

<210> 1036  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<400> 1036  
 ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc tcttaattac 60  
 tagacctcag tactgaatca ggacctcact cagaaagact aaaggaaatg taatttatgt 120  
 acaaaatgta tattcgata tgtatcgatg ctttttagtt tttccaatga tttttact 180  
 atattcctgc caccaagg 198

<210> 1037  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 1037  
 ctggagatga tcctcaacaa gccagggtc aagtacaagc ctgtctgcaa ccagggtggaa 60  
 tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120  
 ctggttgctt atagtgtctt gggatcccac cgagaagaac catgggtgga cccgaactcc 180  
 ccggtgctct tggaggaccc agtcctttgt gccttggcaa aaaagcacia gcgaacccca 240  
 gccctgattg ccctgcgcta ccagctacag cgtgggggttg tggtcctgg 289

<210> 1038  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 1038  
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60  
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120  
 aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180  
 cgaggcagga gaattacttg aacgcaggag aatcactgca gcccaggagg cagaggttgc 240  
 agtgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300  
 gtaaataaat aaataaataa aaagcgtctg agtagctgtg goctcaccct gaagtcagcg 360  
 ggcccagg . 368

<210> 1039  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 226, 227, 246, 259, 390, 391  
 <223> n = A,T,C or G

```
<210> 1040
<211> 409
<212> DNA
<213> Homo sapiens
```

```
<210> 1041
<211> 492
<212> DNA
<213> Homo sapiens
```

<400> 1041						
cctcggtcc	acacctccgc	tgtgaccaca	gcctcaggtc	aagctgtgct	ggggccatcc	60
accttccttt	gccatttaga	agatggggct	tggagcttgg	caacacagaa	attgacatca	120
gccttataaa	accttggtcg	aacctaccga	cctccaggag	aatttcagcc	aaaacaaaaa	180
agcaaataca	cagagggacc	ctggaaccag	aatccctccc	catgggaaag	acgaaggcac	240
agagattcga	gccaagtttc	ccaacatggt	ggtgtttgca	gaaaagtccg	gtcacgtcac	300
acacagcaca	gaggcaagaa	gcgaaggcag	tggcattcac	aggactactt	tatattaaag	360
tttattacat	ttggaaaatc	tactgtacag	ggaaaaaccc	attggattaa	gtagagtttt	420
gccaaaagca	aaagactatc	actctttgga	aaatatctct	gattccagcc	canggccccag	480
ggtggggcca	ca					492

```
<400> 1042
cctggctctg atccagtgac ccctctcacc aaagaactcg gtttaaccag ggctctgtaa 60
gaccactccc acccagagac ttgtgtggcc tgggtgtggcc tgtgtgtcgg attccttct 120
qtcag                                     125
```



<210> 1043  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 1043  
 ccagcctgga gataaggggtg aagggtggtgc ccccggaactt ccaggtatag ctggacctcg 60  
 tggtagccct ggtgagagag gtgaaactgg ccctccagga cctgctggtt tccctgggtgc 120  
 tcctggacag aatggtgaac ctggtggttaa gggagaaaga ggggctccgg gtgagaaagg 180  
 tgaaggaggc cctcctggag ttgcaggacc ccctggaggt tctggacctg ctggctcctcc 240  
 tgggtcccaa ggtgtcaaag gtgaacgtgg cagtcctggt ggacctggtg ctgctggctt 300  
 ccctggtgct cgtggtcttc ctggtcctcc tggtagtaat ggtaaccag gacccccagg 360  
 tcccagcggg tctccaggca aggatgggccc cccaggtcct gcgggtaaca ctggtgctcc 420  
 tggcagccct ggagtgtctg gacaaaaagg tgatgctgg 459

<210> 1044  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 1044  
 cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60  
 ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120  
 ggctcactgc aacctctgcc tcctgggctg cagtgtattc cctgcgttca agtaattctc 180  
 ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240  
 tttgtatttt tagtagaaat ggggtttcac catgttggcg aggctggtct cgaactcctg 300  
 acctcaagga tcctcctgcc tcggcctcct aagggtgctgg gattgcaggt gtgagccacc 360  
 acgtctgg 368

<210> 1045  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 1045  
 ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60  
 atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggcctcc 120  
 tggcagacct catgcaatgc cctccatggt aatattcatc agaaaatgga taattagggg 180  
 ggccagcaaa aatatcaagg gtcaaatatc gcacatttct gtttaggcca tctatggctt 240  
 tcatctcctc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300  
 cattgtagct cttgg 315

<210> 1046  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<400> 1046  
 cctgcgctgg agggccccgg gcagcacagg gaggacgagc ttgtccagca gagggctctgg 60  
 cagagggtcc cgcagagggt tgggcagggg gtctgacatc cctggctcct gctctggctc 120  
 tggctgccgg gatattgcaca ggcccagggtg catacagatg ccgtttgagt caatctggtt 180  
 ctggaagtag tcgatgacca gggggaagta gtcgtcaagc acttggttgc actggggcat 240  
 gagcagcttc aaggggagga cgttgcactc ctgctccagg aacttcctca ccgtgtcctg 300

gaaaatggcc tccttgg

317

<210> 1047

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 183, 271, 287, 292, 294, 343

<223> n = A,T,C or G

<400> 1047

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gtacaagctt tttttttttt tttttttttt tttgtttaat gcttgaactt ttttttggag 60
agagaaattt agaaagacac aagggtacaca gagtaaaatg tttttctttt ttcaggacct 120
tgaactgaat cttgcactgc tttggtttct atctaggaag ctcagcgaca gcagagtctg 180
tanaggcggc cactgatttc acacaccccg gagagggact cacgggtagc acaacggccg 240
gttcggcaat agcagggtggc tcttgcttga naacctgagg ttctaanaagc ananagtcca 300
tttcctgcaa aggagatagc aaggctcctgg ttgtcttccc canactgctt ctgggttgta 360
gcctcatcag ctctttcctg gagtgactca gcctgggcct gcagggccac ca 412
```

<210> 1048

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 267, 336, 344, 360, 395, 419, 420, 430, 441

<223> n = A,T,C or G

<400> 1048

```
taaaaaaagg aaaaagtttt attacgaaac tagtttgtat aaaacagggt tatacatatt 60
tttgtaagtt tgtaataaaa cagtaagaaa aaaaggcagt aatagaaatc tccaaaaggc 120
aacctatcaa aaccaactgg ctgccacttt gagtttggac agtagctgca taaactttgt 180
tcttcttgaa cagtatttaa taacatcatt aatacattaa caacatttct ataaagtaag 240
acacattggt gctgaagtac aactggnggc ctcttgatct cacctatgag gagagttctt 300
tacaaaacca catagggaaa attgcagttg taaggngaac tacncatcta aaatatgcan 360
aggtaatagc attacatggt aaaggatatc agggnatata cacattttta accatttgnn 420
acaaaacttn tataaaattt ntttctctct ctttctctct tatgcacaaa aaatat 476
```

<210> 1049

<211> 274

<212> DNA

<213> Homo sapiens

<400> 1049

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cctggctgag caggcagagc accctgggac cccagggcag aaggaccct gccctccagt 60
ccccaagacc caggcccgtc tccactcata cagccacct acatgtgacg tcagccctga 120
aaaggtaaca ggaaagttca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta 180
gcagagtaat accggaaacg ttatatacac aggcgggtgat ggccccctcg gaagtgtccg 240
ggtcacttag ggggcactgc agaggtcctt gtgg 274
```

<210> 1050

<211> 472  
 <212> DNA  
 <213> Homo sapiens

<400> 1050  
 ctgcagcctg ggactgaccg ggaggctctg attattttacc caccacaggt aggttgtgtt 60  
 ctgaatctca ggttcacagg ttaaggctac agcatcctca tcctccacgg ggttggagtt 120  
 gttgctggtg atgaaggggt tgggtggctc tgcatagact gtgatcgctg tgactgtggt 180  
 cctattgagg ccagtgtctg agttatgggc ttggcacgta taggatccac tattattcac 240  
 agtgatgttg gggataaaga gctcttgggt ggattgctgg aaagtcccat tgacaaacca 300  
 agagtactgt gcagggtgggt tagaggctgc gtggcaggag aggttcagat tttccctga 360  
 tctgtaagat gtgttttagag gggaaatggg gggggcatcc gggccataga ggacattcag 420  
 gatgactgaa tcactgcgcc tggcactcac tgggttctgg gtttcacatt tg 472

<210> 1051  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 1051  
 ccaccaaccg tggcatcacg cgaatccggg gcaccagcta ccagagccct cacggcatcc 60  
 ccatagacct gctggaccgg ctgcttatcg tctccaccac cccctacagc gagaaagaca 120  
 cgaagcagat cctccgcacg cgggtgcgagg aagaagatgt ggagatgagt gaggacgcct 180  
 acacggtgct gacccgcacg gggctggaga cgtcactgcg ctacgccatc cagctcatca 240  
 cagaccctgc 249

<210> 1052  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 1052  
 ccaggaccac aacccccacg tgtagctggt agcgcagggc aatcagggct ggggttcgct 60  
 tgtgcttttt tgccaaggca caaaggactg ggtcctccaa gagcaccggg gagttcgggt 120  
 ccacccatcg tttgtctcgt tgagatccca gagcactata ggcaaccaga acaatatctt 180  
 tcgacttgca gaaatctagc aatttactcc ggttgaaata cggatgacat tctacctggt 240  
 tgcagacagg cttgtacttg agtcctggct tgttgaggat catctccag 289

<210> 1053  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 1053  
 ccacgactgc atgcccgcgc ccgccaggtg atacctccgc cggtgaccca ggggctctgc 60  
 gacacaagga gtctgcatgt ctaagtgcta gacatgctca gctttgtgga tacgcggact 120  
 ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180  
 gtaagaaagg gccagccg 199

<210> 1054  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

1051-1054

<400> 1054  
 tcgaccctgt gaagcaggag acagatgctg cattttcact gttgtttgtc ctctgttttt 60  
 gtagcatccc cggaacttc cccatcagcc aggggcttgt cccaccacc cttcacctgg 120  
 ctttccagtt ggctgagacg ctgcttcac ttcacgtggg tggcggtgta ctcagccagg 180  
 aggcgtgcaa acctgggtctg cagggcgtcc agggaggacc ccag 224

<210> 1055  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 1055  
 cctcttatta gggctctggt agcggcggcg gcggaccctt ggggtctgga cgcaacggcg 60  
 gcgggagcat gaacgcccct ccagccttcg agtcgttctt gctcttcgag ggcgagaaga 120  
 agatcaccat taacaaggac accaaggtag ccaatgcctg tttattcacc atcaacaaag 180  
 aagaccacac actgggaaac atcattaaat cacaactcct aaaagaccgc caagtgtat 240  
 ttgctggcta caaagtcccc cacccttgg agcacaagat catcatccga gtgcagacca 300  
 cgccggacta cagccccag gaagcctttg ccaacgcat caccgacctc atcagtgagc 360  
 tgtccctgct ggaggagcgc tttcgggtgg 390

<210> 1056  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 21, 22, 230, 232, 377, 391  
 <223> n = A,T,C or G

<400> 1056  
 ccagcatcac ctttttggtcc nnacactcca gggctgccag gagcaccagt gttaccgcga 60  
 ggacctgggg gcccatcctt gcctggagaa ccgctgggac ctgggggtcc tgggttacca 120  
 ttactaccag gaggaccagg aagaccacga gcaccaggga agccagcagc accaggtcca 180  
 ccaggactgc caggttcacc ttgacacct tggggaccag gaggaccagn angtccagaa 240  
 cctccagggg gtctgcaac tccaggaggg cctccttcac ctttctcacc cggagcccct 300  
 ctttctcctt taccaccagg ttcaccattc tgtccaggag caccaggga accagcaggt 360  
 cctggagggc cagtttnacc tctctcacca nggctaccac gaggtccagc tatacctgga 420  
 agtccggggg caccacctc acccttacct 450

<210> 1057  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 1057  
 tgagcgccg cccggcaggt cctcgcttgg agggccccgg gcagcacagg gaggacgagc 60  
 ttgtccagca gagggctctg cagagggtcc cgcagagggt tgggcagggg gtctgacatc 120  
 cctggctcct gctctggctc tggtgcccgg gatttgacac ggcccagggt catacagatg 180  
 ccgtttgagt caatctgggt ctggaagtag tcgatgacca gggggaagta gtcgtcaagc 240  
 acttggttgc actggggcat gagcagcttc aaggggagga cgttgcactc ctgctccagg 300  
 aacttcctca tcgtgtcctg gaaaatggcc tccttgg 337

<210> 1058

<211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 1058  
 ctggggactg ggaatgctag catatggtat ctcaagttgg ctctcagaac taaacgggga 60  
 taagggccta gaatggaaga gggaaccagc cagaccctca gtccttcctg tcctggactg 120  
 ggagccacag atgtccctgt gatctgtcac tgccctgac tgggtcttca gccattaaag 180  
 ctcaagtgtca tcttcagtca ccaacggggg tcttggtgtc cttccaaacc cctttgg 237

<210> 1059  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 169, 170  
 <223> n = A,T,C or G

<400> 1059  
 agcccatccc cccggctccc tcctagtctg ccctgcgtcc tctgtccccg ggtttcagag 60  
 acaacttccc aaagcacaaa gcagtttttc cccctagggg tgggaggaag caaaagactc 120  
 tgtacctact ttgtatgtgt ataataattt gagatgtttt taattattnn gattgtctga 180  
 ataaagcatg tggaaatgac ccaaaaaaaaa 210

<210> 1060  
 <211> 564  
 <212> DNA  
 <213> Homo sapiens

<400> 1060  
 ctggccacag agccagcaa gtccttcctg ggagagaaga gttagggctg atactgaagg 60  
 tctctttcac atctgggcac acgtctgcct tcaggctgta agaatttcat ttgtcgattg 120  
 ttaaataaaa ccaggagaaa gcaatgcagg tctctgggaa tctcatccct tccataagga 180  
 aaatgctctg ccaattcaag ttctattcag tcaggaagac agaaggattt aaggcttcgg 240  
 tgacaattat aatcctctga gaaattattt ccccttaaag tcaagataag ataatagtgt 300  
 ttactgtact ttctcttgac tcttgaaatc cctgggtattg ggtgtaggca acttgcacct 360  
 gcaatgaagt ccgcaggaga ggaaggtctc tcctcccccg aaagctatcc caggtcacat 420  
 gcgtggcgaa tgcccactga acctcggtct tcatggaagc aggaaagaca ccgagattca 480  
 agccttctag taggttgagg acgctgtgct catggcatct tcggagattt tgggtactggc 540  
 aggggtggat gcttgcaaaa tact 564

<210> 1061  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 1061  
 cctatggagg tgcctatgat gtcattgagct ctaagcacct ttgtggtgat accaactatg 60  
 cctggcccac cgcagagatt gcggtcatgg gagcaaaggc cgctgtggag atcatcttca 120  
 aaggcatga gaatgtggaa gctgctcagg cagagtacat cgagaagttt gccaacctt 180  
 tcctgcagc agtgcgaggg tttgtggatg acatcatcca accttcttcc acacgtgccc 240  
 gaatctgctg tgacctggat gtcttgg 267

<210> 1062  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 533, 592  
 <223> n = A,T,C or G

<400> 1062  
 ctgggtcatct tgtcatgtga agaccatctt cctacagagt ctaggctggc cgtcgttgaa 60  
 gtcctcacca gtactacacc acttttcctc accaaccacc atcctattct tgagttgcag 120  
 gatacacttg ctctctggaa gtgtgtcctt acccttctgc agagtgagga gcaagctgtt 180  
 agagatgcag ccacggaaac cgtgacaact gccatgtcac aagaaaatac ctgccagtca 240  
 acagagtttg ccttctgccca ggtggatgcc tccatcgctc tggccctggc cctggccgctc 300  
 ctgtgtgatc tgctccagca gtgggaccag ttggcccttg gactgcccac cctgctggga 360  
 tggctgttgg gagagagtga tgacctcgtg gcctgtgtgg agagcatgca tcagggtggaa 420  
 gaagactacc tgtttgaaaa agcagaagtc aacttttggg ccgagaccct gatctttgtg 480  
 aaatacctct gcaagcacct cttctgtctc ctctcaaaag tccggctggc gtnccccaag 540  
 ccctgagatg ctctgtcacc ttcaaaggat ggtgtcagag cagtgccacc tnctgtctca 600  
 gtt 603

<210> 1063  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 1063  
 ccatcgaggga tcaactgagat gcagtggcgg tccccgtagc tggcccggtg catgccaccc 60  
 tggaagatgg tgaagggcaa cccctgccta gtggtcagcc ggaggattct ggtaatcgct 120  
 ttgcaaggaa agggaccgta aggcacgagg ctgcggaggg gctctggttg ctgggcttcg 180  
 ctggacacgg gccactggca gtagctgccg tcagagtgcac ag 222

<210> 1064  
 <211> 72  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 13, 14  
 <223> n = A,T,C or G

<400> 1064  
 gatgatcaat atnnactgga acacatgcat gcttttggaa tgtataatta cctgcactgt 60  
 gattcatggt at 72

<210> 1065  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

1062 1063 1064 1065

<400> 1065  
 gtggccgtga tggatagcga caccacaggc aagctgggct ttgaggaatt caagtacttg 60  
 tggaacaaca tcaaaagggtg gcaggccata tacaaacagt tcgacactga ccgatcaggg 120  
 accatttgca gtagtgaact cccagggtgcc tttgaggcag caggggttcca cctgaatgag 180  
 catctctata acatgatcat ccgacgctac tcagatgaaa gtgggaacat ggattttgac 240  
 aacttcatca g 251

<210> 1066  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 1066  
 ctggagatga tcctcaacaa gccagggtc aagtacaagc ctgtctgcaa ccagggtggaa 60  
 tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120  
 ctggttgccct atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180  
 ccagtgtctt tggaggacc agtcctttgt gccttggcaa aaaagcacia gcgaacccca 240  
 gccctgattg ccctgcgcta ccagctacag cgtgggggttg tggtcctgg 289

<210> 1067  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 1067  
 ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtc 60  
 ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg 120  
 caaagctctc catgttaata ttcattctgaa tatggataat taggggtggct agcaaaacta 180  
 tcaactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctccgca 240  
 gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300  
 g 301

<210> 1068  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 1068  
 ccagcagttc ctctttgcct tatatttggt gtacgcccgg ccagccttca agatggggtt 60  
 gtcaattcgg ccacctccag ccaccacacc aaccacagct ctggtggctg aggagataac 120  
 cttcttgagg ccggaggggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180  
 aacgggtggca tagttccctg atgcccgggc cagcttgcca cggctccag gcttctcctc 240  
 caggcagcac acgat 255

<210> 1069  
 <211> 77  
 <212> DNA  
 <213> Homo sapiens

<400> 1069  
 ctggacaggc tccagcacgg gcccaaacac gccagacct cggcaggcac cacctgggtc 60  
 tcccacccag aaagttc 77

<210> 1070

```
<220>  
<221> misc_feature  
<222> 12, 108, 109, 137, 147, 148  
<223> n = A,T,C or G
```

```
<210> 1071
<211> 246
<212> DNA
<213> Homo sapiens
```

```

<400> 1071
ctgaccggac  cggncatgcc  cgtccggaac  gtctataaga  aggagaaagc  tcgagtcatc  60
actgaggaag  agaagaattt  caaagccttc  gctagtctcc  gtatggcccg  tgccaacgcc  120
cggctcttcg  gcatacgggc  aaaaagagcc  aaggaagccg  cagaacagga  tgttgaaaaa  180
aaaaaaaaaa  gccctcctgg  ggacttgga  tcagtcggca  gacaaaaaaa  aaaaaaaaaa  240
aaaaaa                                     246

```

```
<220>  
<221> misc_feature  
<222> 143  
<223> n = A,T,C or G
```

```
<210> 1073
<211> 301
<212> DNA
<213> Homo sapiens
```

<400> 1073  
ctgtagtgtga ctgaagtcgc taaacaggac gqattttaagt agaggtgata tgtccagtc 60



```

ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg 120
caaagctctc catgttaata ttcattctgaa tatggataat taggggtggct agcaaaacta 180
tcaactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g                                     301

```

```

<210> 1074
<211> 132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 41, 47, 56, 69, 78, 93
<223> n = A,T,C or G

```

```

<400> 1074
caagcttttt tttttttttt tttttttttt ttcgtcaaaa nactttnttt tattantaca 60
tgggctggna ttgatggnaa gggacaaatg tanttggcaa ccatgggttag catcgggatgc 120
ccatcccaat gg                                     132

```

```

<210> 1075
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<400> 1075
ctgtagttga ctgaagtcgc taaacaggac ggattttaagt agaggtgata tgtccagtca 60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg 120
caaagctctc catgttaata ttcattctgaa tatggataat taggggtggct agcaaaacta 180
tcaactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g                                     301

```

```

<210> 1076
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 1076
ctgctgggat gaatgccaa tttttcagcc ataaggtagc gaaatctagc agaatccaga 60
ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagtttcca ggtaacatac 120
gtaagaatgt ccaactgggt ggaaaaccaca attatgatgc aatcaggact gtacttgacg 180
atctgaggaa taatgaattt gaagacattt acattttctt gcaccagatt gagccgactc 240
tccccctctt gctgacggac tcttgcagtt actactacaa tcttagaatt ggcggtcaca 300
gaataatctt tatctgccac aatttttaggt gtctgaagaa ataagctccc atgctgcaga 360
tccatcattt ctcttttaag cttatcttcc aaaacatcca caagagcaag ttcacagcc 420
agagactttc ccagaa                                     436

```

```

<210> 1077
<211> 256
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 1077

```

ctgaagatta ataggaaaca gtgaaaaagc aacgtcctgt gatcagtaac tttaaagaca 60
agcttggttc tctctttctg gcactactga cattcccacc attctagctt ccgaattctg 120
gaaaaagaga agatgattaa caaaaataga gaatgtagaa acttctgggt ttgtgcctac 180
aggattggca ccagaccctc agtgctcact tgctccatct acaaggcagc acccctccca 240
gaggcagcca gggagg                                     256

```

&lt;210&gt; 1078

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 8, 10, 26, 67, 71, 77, 84, 93, 127, 133, 144

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1078

```

ctgtgctncn caaccagatc catgtnaagt gccccgcccagaagaaggag ccagggggag 60
ctgactncag ncaacancca gtgnccggat gancaccaac atgtgagggg tgaaccttgg 120
cctccangac atntgcaccc cctncccacc tccacggacc tcggacctcc aggcggctca 180
gtgctgcctg cggcccagct aa                                     202

```

&lt;210&gt; 1079

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1079

```

gcgcttctcg ggcaccgtca ggcttaagtc cactccccgc cctaagttct ctgtgtgtgt 60
cctgggggac cagcagcact gtgacgaggc taaggccgtg gatatcccc acatggacat 120
cgaggcgctg aaaaaactca acaagaataa aaaactggtc aagaagctgg 170

```

&lt;210&gt; 1080

&lt;211&gt; 494

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1080

```

cctgcggcaa agagatgcgc ttattgagaa acatggctta gttataatcc ccgatggcac 60
tccaatgggt gatgtcagtc atgaaccagt ggctggagcc atcactgttg tgtctcagga 120
agctgctcag gtcttgaggat cagcaggaga agggccatta gatgtaaggc tacgaaaact 180
tgctggagag aaggaagaac tactgtcaca gattagaaaa ctgaagcttc agttagagga 240
ggaacgacag aaatgctcca ggaatgatgg cacagtgggt gacctggcag gactgcagaa 300
tggtcagac ttgcagttca tcgaaatgca gagagatgcc aatagacaaa ttagcgaata 360
caaatttaag ctttcaaaag cagaacagga tataactacc ttggagcaaa gtattagccg 420
gcttgaggga caggttctga gatataaaac tgctgctgag aatgctgagg aaagttgaag 480
atgaattgaa agca                                     494

```

&lt;210&gt; 1081

&lt;211&gt; 123

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1077  
 1078  
 1079  
 1080  
 1081

&lt;400&gt; 1081

ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60  
 tttgttccct tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120  
 gac 123

&lt;210&gt; 1082

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1082

cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60  
 acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt 120  
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180  
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240  
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

&lt;210&gt; 1083

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1083

ctggggccacg aggacaccac cagcttggat cggcctcgcc gtgtggaata cttttagat 60  
 aagcaactcc aagtaaaggc tgtcacctgt gggcctgga acacctacgt gtatgctgtg 120  
 gagaaaggga agagctgaca tgtgtacgta tatgtatatg caacacctgt gagaccccca 180  
 ttcagggtcaa ggaaaacat tgccctgcacc ccaaggggcc catatttgcc cctccccatc 240  
 acagtccctgc ccttcacctt caagcacggc cctaaacttg tctgcacttt agaaacacct 300  
 ggagagcatt gaaaactctg ctgcctaagg tcagcatcaa tcaaaacaat gaaatcaatg 360  
 aaacaatgaa accagagctt ctagggtgtg ggcctggata gtggtagatt caaagctcca 420  
 cccacctcat cccagggtaca tttgatgtgc ag 452

&lt;210&gt; 1084

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1084

ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtca 60  
 ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggg agacatcggg 120  
 caaagctctc catgttaata ttcattctgaa tatggataat taggggtggc agcaaaacta 180  
 tcaactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240  
 gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300  
 g 301

&lt;210&gt; 1085

&lt;211&gt; 369

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1085

ctgttttccca tggggccacca ggcggtcag gacagcaaac gtctcatccc ctctcaggat 60  
 gtacttctcc atgtcctgct cgatccactg gtacatgagg cccttcacat gcacgtctcg 120  
 gatggcgtcc gtcacgtcct tgtagagatg tgcttggtca aactccaggc tgtggcccag 180

```

aaagtagtcc accacacagg acagcagagc catctccggt agcgagaaga tgtccatgaa 240
ctgcttaatg gagggaccct tgccatagaa gccactcatc tggatatagt ggatgtgctg 300
ggtaccccca tacagctcaa tcacctcctc gtctggcaca ggctggaggc ccctgtaggc 360
tgtccccag                                     369

```

```

<210> 1086
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 1086
cctcagaggt ttctccacag tcctcttctg ggcaaattct tgtttcttca catgccggac 60
tagcttaaga ccaatgcagt agcttatttc caagccttgc aaagtatata atatctaaga 120
ggaaagggtt tgtcatccca gcgttggtcca ctttggtggg ctttgtaggt agacggagcc 180
acactacagg cagggatatga gcagagggat gtatggagtg tgggtgactc tgagcctcac 240
tgccgctgca aggtggggaa actgtaagtg aaccctgtg ggtgcggggg agggatatccg 300
gtgcgcaggg aggtgg                                     316

```

```

<210> 1087
<211> 329
<212> DNA
<213> Homo sapiens

```

```

<400> 1087
cctgcagggg atgggacctt ccagaagtgg gcgtctgtgg tgggtgcctc tggacaggag 60
cagagataca cctgccatgt gcagcatgag ggtctgcccc agcccctcac cctgagatgg 120
gagccgtctt cccagcccac catccccatc gtgggcatca ttgctggcct ggttctcttt 180
ggagctgtga tcgctggagc tgtggctcgt gctgtgatgt ggaggaggaa gagctcagat 240
agaaaaggag ggagctactc tcaggctgca agcagtgaca gtgccaggg ctctgatatg 300
tctccacag cttgtaaagt gtgagacag                                     329

```

```

<210> 1088
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<400> 1088
ccactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60
tcctggaaca gaagcctgtg ggatggcctt gggcacggag aagccctggg gtcagtgtcg 120
tgcacggatg gcggcagtgt tgaacccagg aggtgaacc cggcccacca cggaagatga 180
gtgcatggca accgcctgcc ttcacgtcgc tccacttggt aaccccaagg tctgggctgt 240
tctaggtatt gcttcacgtg ccccagcaag cccttaacaa gagggcctgg ttccctgaag 300
aaccaatccc aggaaggggc cttgatccct ccgccttgct ga                                     342

```

```

<210> 1089
<211> 51
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 18
<223> n = A,T,C or G

```

<400> 1089  
ccttgtgttc agtctccnccg ctcttcttgc cactgttgag ggtggagatg t 51

<210> 1090  
<211> 515  
<212> DNA  
<213> Homo sapiens

<400> 1090  
cctggggagg ccctagggga gcaccgtgat ggagaggaca gagcaggggc tccagcacct 60  
tctttctgga ctggcggttca cctccctgct cagtgccttg gctccacggg caggggtcag 120  
agcactccct aatttatgtg ctatataaat acgtcagatg tacatagaga tctatttttt 180  
ctaaaacatt cccctcccca ctctctctcc acagagtgcg ggactgttcc aggccctcca 240  
gtgggctgat gctgggaccc ttaggatggg gctcccagct cctttctcct gtgaatggag 300  
gcagagacct ccaataaagt gccttctggg ctttttctaa cctttgtctt agctacctgt 360  
gtactgaaat ttgggccttt ggatcgaata tggtaagag gttggagggg aggaaaatga 420  
aggtctacca ggctgagggt gagggcaaag gctgacgaag agggaaagt acagatttcc 480  
tgtagcaggt gtgggcttac agacacatgg actgg 515

<210> 1091  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 1091  
gcgtcccga gccacgggtg gtcattggtg ccagagcgct ctgcatgctg gggctgggtcc 60  
tggccttgct gtccctcagc tctgctgagg agtacgtggg cctgtctgca aaccagtgtg 120  
ccgtgccagc caaggacagg gtggactgag gctaccccca tgtcaccccc aaggagtga 180  
acaaccgggg ctgctgcttt gactccagga tccctggagt gccttggtgt ttcaagcccc 240  
tgaggaagc agaatgcacc ttctgaggca cctccag 277

<210> 1092  
<211> 368  
<212> DNA  
<213> Homo sapiens

<400> 1092  
cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60  
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120  
ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180  
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240  
tttgtatttt tagtagaaat ggggtttcac catgttggcg aggctggtct cgaactcctg 300  
acctcaagga tcctcctgcc tcggcctcct aagggtgctg gattgcaggt gtgagccacc 360  
acgtctgg

<210> 1093  
<211> 459  
<212> DNA  
<213> Homo sapiens

<400> 1093  
ctgtgcatgg agccatttgg atggcggcgg gcgggggggg attctctgta tcaggagtga 60  
ctttgttgcc ccacacagcc tcctgctgca ggtgctttgg aaagagatgc tgccttggag 120  
ctggtgaatc tgtggaccac attcaagggt gtggcacagg catcttccca tccttttcac 180

```

tccgaatcgc tggcgacaca ttctcctttc cagctaggaa agggttcctc gcggtctggtt 240
tagattgtgg ttgtttgttt tgcttctact aagactgttt tgtttcaaaa aggaaacaag 300
ttttgtgttt gctgtctacg ctggagtcct gaactgtggg tagaaaacac gacctggctt 360
tgtagaaaagg acacagggct gttttatgaa ctaagcgggtg aggctcaggt ggcggctctc 420
acagagcccc tgatgctggt gttctttgag ggcttaagg 459

```

```

<210> 1094
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 590
<223> n = A,T,C or G

```

```

<400> 1094
ccatgcaaaa ggaggtggtg cactcagtgc agtcgctgcc acaaaaagtc cgattatattt 60
cattggtaca ggggaacata tagatgactt tgaacctttc aaaacacagc cttttattag 120
caaaacttctt ggtatgggag acattgaagg actgatagat aaagtcaacg agttgaagtt 180
ggatgacaat gaagcactta tagagaagtt gaaacatggt cagtttacgt tgcgagacat 240
gtatgagcaa tttcaaaata tcatgaaaat gggccccttc agtcagatct tggggatgat 300
ccctgggtttt gggacagatt ttatgagcaa aggaaatgaa caggagtcaa tggcaaggct 360
aaagaaatta atgacaataa tggatagtat gaatgatcaa gaactagaca gtacggatgg 420
tgccaaagtt tttagtaaac aaccaggaag aatccaaaga gtagcaagag gatcgggtgt 480
atcaacaaga gatgttcgag aacttttgac acaatatacc aagtttgac agatggtaaa 540
aaagatggga ggtatcaaag gacttttcaa aggtgggcca catgtctaan aatgtgagcc 600
agtcacagat 610

```

```

<210> 1095
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 1095
ccttattttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctggt atccctaggg taacttgttc cg 232

```

```

<210> 1096
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<400> 1096
ccacgctcat ggaaaccacc caaggacagc cagagtccac attccctggc aagctgggtg 60
tattcttcca aaagtttccc acccagtggg tcagacaggt gtagcgtctc tgcagggtcc 120
cgtgcaatga agtcaaatgc ctcaggcagg aaagccaggc aggacccag tctggcagcc 180
tctcgaacca gccacgcaca tgttttaaag ttctgttgct tgtctggcgt cgatgttacc 240
tggcacacag ccaccagggg cagttcgcag gaggaagagg agatagccat ggctctgggc 300
ctgggctgag cacaaagtac tgagagttga ggtatccgga gtccaggaca cagaagggac 360
aggaatctgt gaggagg 377

```

<210> 1097  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 1097  
 ccacgccatg gggctggagc actcccaaga ccctggggcc ctgatggcac ccattttacac 60  
 ctacaccaag aacttccgtc tgtcccagga tgacatcaag ggcatcagc agctctatgg 120  
 ggcctctcct gacattgacc ttggcaccgg cccaccccc acactgggccc ctgtcactcc 180  
 tgagatctgc aaacaggaca ttgtatttga tggcatcgct cagatccgtg gtgagatctt 240  
 cttcttcaag gaccggttca tttggcggac tgtgacgcca cgtgacaagc ccatggggcc 300  
 cctgctggtg g 311

<210> 1098  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<400> 1098  
 ccacccacgc ttaggttccc atcacactga tgactccggg tttggcgagc acaggagcgc 60  
 aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat 120  
 accagaatct tgcacagctt ttggtgtttg gatcatagta ccattttaat atgaaatccc 180  
 tgcaagtcc ttcgtctttc ggcaacttgc atatatctgt ttcagtgaga gccaatgggt 240  
 ctgtgctcac cattagattg atggttgaaac tagaagctga ccttgctggc tgtggagggtg 300  
 ggggctgaga tttcttttga ctgaaacttc cgtggttagt ggctctgacc tgagacctca 360  
 ggtagcagac cacagccaca tggatatgtc gccagcgag cagg 404

<210> 1099  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<400> 1099  
 ccatgggatg gctcttctga ccattggggg ccaggccagg ccaggccagg cttagggtag 60  
 caaggaccag gccaaagggg cagggcctcc tttggagggg ttgaggggta catcctcggc 120  
 tgggtgtttg atccaggggt ccagcaggat ctcttcagc gagggtcggg aagaagggtt 180  
 gggggccagg caccggcgga ttagggcaca gcagtctggg gagacatggg ctgggaagtg 240  
 gagctcagct tccagaatct cctggctcct ctcaaaggga atgtccccc acaccatgtc 300  
 atagaggagg atgccagtg accagacagt ggccgggagt gcatggtact ggtgtcgaga 360  
 gatccactct ggggggctgt acacccttgt cccatcaaag tcagtgtagg gttcatcatg 420  
 aagcagggca ccaggaacca aa 442

<210> 1100  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 1100  
 ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cgggccatac 60  
 ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120  
 acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180  
 gtgcgctcca g 191

<210> 1101

<211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 1101  
 cgggtacttt ggtggacatg aaggaactgg gcatatggga gccattggct gtgaagctgc 60  
 agacttataa gacagcagtg gagacggcag ttctgctact gcgaattgat gacatcgttt 120  
 caggccacaa aaagaaaggc gatgaccaga gccggcaagg cggggctcct gatgctgg 178

<210> 1102  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 1102  
 agccaggcta gtgacagaaa tggattcgaa atatcagtggt gtgaagctga atgatgggtca 60  
 cttcatgcct gtccctgggat ttggcaccta tgcgcctgca gaggttccta aaagtaaagc 120  
 ttttagaggcc accaaattgg caattgaagc tggcttcgcg catattgatt ctgctcattt 180  
 atacaataat gaggagcagg ttggactgg 209

<210> 1103  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 351  
 <223> n = A,T,C or G

<400> 1103  
 ctatagggct cgaggggccgc ccgggcaggt ggtgcctcta atactggtga tgctagaggt 60  
 gatgtttttg gtaaacaggc ggggtaagat ttgccaggtt ccttttactt tttttaacct 120  
 ttccttatga gcatgcctgt gttgggttga cagtgggggt aataatgact tgttggttga 180  
 ttgtagatat tgggctgtta attgtcagtt cagcgtttta atctgacgca ggcttatgca 240  
 gaggagaatg ttttcatgtt acttatacta acattagttc ttctataggg tgatagattg 300  
 gtccaattgg gtgtgaggag ttcagttata tgtttgggat tttttaggta ntgggtggtg 360  
 agcttgaacg ctttcttaat tgggtggctgc tttagg 396

<210> 1104  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 224, 226, 302  
 <223> n = A,T,C or G

<400> 1104  
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 aactgaatga gcctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc 120  
 gataccggga agacctgatg gcgggaatca tcatcgcagg ctgggaccct caagaaggag 180  
 ggcaggtgta ctgctgcct atggggggta tgatggtaag gcantncttt gccattggag 240





<400> 1108  
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 acttgggact tgatgggttt gtggagagga tcaagcatgc ctgtcaactg agtcaacggt 180  
 tgcaggaaaag tttgaagaaa gtgaattaca tcaaaatctt ggtggaagat gagctcagct 240  
 cccagtggt ggtgttcaga tttttccagg aattaccagg ctcagatccg gtgtttaaag 300  
 ccgtcccagt gcccaacatg acaccttcag gagtcggccg ggagaggcac tcgtgtgacg 360  
 cgctgaatcg ctggctggga gaacag 386

<210> 1109  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<400> 1109  
 ctctggtctg taaccagtct cttcaaggca ttatctcctg gggccaggat ccgtgtgcga 60  
 tcacccgaaa gcctggtgtc tacacgaaag tctgcaaata tgtggactgg atccaggaga 120  
 cgatgaagaa caattagact ggacccaccc accacagccc atcacctcc atttccactt 180  
 ggtgtttggt tctgtttcac tctgttaata agaaacccta agccaagacc ctctacgaac 240  
 attctttggg cctcctggac tacaggagat gctgtcactt aataatcaac ctgggggttcg 300  
 aaatcagtga gacctggatt caaattctgc cttgaaatat tgtgactctg ggaatgacaa 360  
 cacctggttt gttctctgtt gtatccccag ccccaaagac agctcctgg 409

<210> 1110  
 <211> 215  
 <212> DNA  
 <213> Homo sapiens

<400> 1110  
 ccattttgga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60  
 aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc 120  
 ataggcgagc tcgatctcct catcatctgg acagggtggaa gcgaattctt cccgggcgta 180  
 ggcattgctc aagtaccgat gcactccccg gaagg 215

<210> 1111  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 1111  
 cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60  
 ttattttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120  
 ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180  
 ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240  
 tttgtatttt tagtagaaat ggggtttcac catgttggcg aggctggtct cgaactcctg 300  
 acctcaag 308

<210> 1112  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 1112  
 ccactggctc cctgggccag ggcctcgggg ccgcttgtgg gatggcctac accggcaaat 60

106207-457709

acttcgacaa ggccagctac cgagtcctatt gcttgctggg agacggggag ctgtcagagg 120  
gctctgtatg ggaggccatg gccttcgcca gcatctataa gctggacaac cttgtgg 177

<210> 1113  
<211> 646  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 529, 580, 622  
<223> n = A,T,C or G

<400> 1113  
ccccaccatg gacacacttt gctacacact cctgctgctg accacccctt cctgggtctt 60  
gtcccaggtc accttgaagg agtctgggtcc tgtactgggtg aaaccacag agaccctcac 120  
gctgacctgc accgtctctg ggttttcact cagtaatat agagtgggtg tgagttggat 180  
ccgtcagccc ccagggaagg ccctggagtg gtttgcatac attttttcga ctgacgaaaa 240  
atccttcaat tcatctctga agaacaggct caccatctcc aaggacacct ctaaaagcca 300  
ggtggtcctt agcatgacca acatggaccc tgtggacaca gccacatatt actgtgcacg 360  
gctctctatt tacttcgggg agttagaaac ctaccaatac atggacgtct ggggcaaagg 420  
gaccaccgcc accgtctcct cagcatcccc gaccagcccc aaggctctcc cgctgagcct 480  
ctgcagcacc cagccagatg ggaacgtggt catcgctgc ctggtccang gcttcttccc 540  
ccaggagcca ctcaagtgtga cctggagcga aagcggacan ggcgtgaccg ccagaaactt 600  
ccccaccag ccaggatgcc tncgggggacc tgtacaccac gagcag 646

<210> 1114  
<211> 420  
<212> DNA  
<213> Homo sapiens

<400> 1114  
tggtgtttta ctcacctaac ccttagaaaa tgaatgtag aagggtgctg ccgaggcggg 60  
acagagtgtt cgctcgcgct ggagaaggct ctgctcagcc ctgagagtcc cttcctgccc 120  
caccgatact ggcaacttta aaaggaagct gaccgcacag tgtccagacg aattggcccc 180  
cagaagatgg ggagttctgt cctgcccttc tgtgtctgcy tgacctcacc cagcctagga 240  
gggaggtgca ttcagggtag atttgccctc cattcaaagt tctggggctt tgggtggaaa 300  
acagccagct ttggcgctgt tggggagact cctccagacc aggaacccca gaaggagaca 360  
gagcctgcca catcctccca cgccaggccc tgggcccaggg tgattggact gagaatttgg 420

<210> 1115  
<211> 416  
<212> DNA  
<213> Homo sapiens

<400> 1115  
ctgaaagttt ctaaaataga aacctgggtgc atatggcccc aaaacaccac atgctttgat 60  
tacactcagg gagcatgagt tgcctatttg ggtgagaaaa tcccatgtta cagtgcgac 120  
gctgggacag ttttggagta attccagcca ctgctatgta agtggtttta attcaggggt 180  
gtcttctacg ttttcatctt ctgaatatct tgtgacggtg caggtttgag caaaactggc 240  
atgaaatgag agctgtttta gatgaagatt gcaagatgga tggcttggcc cacagtggca 300  
gtgggttggg ggtggaatgt ggacaattag gaaaaaggca tgtcattcta tctggctcct 360  
ggagaggcag atagtccttg gggcttttgt gtcacagttc ccaaaagcaa gggttg 416

<210> 1116  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<400> 1116  
 ccttattttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60  
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120  
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180  
 atatggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttgggtcaa 240  
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300  
 ctcgagggtt gggttctgct ccgaggtcgc cccaaccgaa aatttttaat gcaggcctgg 360  
 tagtttagga cctgtgggtt tg 382

<210> 1117  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 1117  
 ctgcgtgtct gaaaacacaa gatttaaaac atagtaatta ttgaacctca gaagaaaaac 60  
 tcagattgaa agagcttaga ataagaccct ttttgagttg agaaagggtga gtacttagat 120  
 ttttcatttg ctttgtttgg gattacttac atcagtattt tatgttgatc agaaagaaag 180  
 gattcaatta gctattgttc ggtaataaaa aatgtcagcc actgtaggag taagttggat 240  
 gtccagcctt tttagattgc ttaacttggg aacactggac tgggagcggg ggctcatgcc 300  
 tgtgatccca gcaactctggg aggccaaggc aggcagatca ctggagggtca ggagtttgag 360  
 accaacctgg 370

<210> 1118  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 1118  
 ctgtctctta cttttaacca gtgaaattga cctgcccgtg aagaggcggg cataacacag 60  
 caagacgaga agaccctatg gagctttaat ttattaatgc aaacagtacc tgacaaaccc 120  
 acaggctcta aactaccaga cctgcattaa aaatttcggt tggggcgacc tcggagcaga 180  
 acccaacctc cgagcagtag atgctaagac ttcaccagtc aaagcgaact actatactca 240  
 attgatccaa taacttgacc aacggaacaa gttaccctag ggataacagc gcaatcctat 300  
 tctagagtcc atatcaacaa tagggtttac gacctogatg ttggatcagg acatcccgat 360  
 ggtgcagccg ctattaaagg ttcgtttgtt caacgattaa agtcctacgt gatctgagtt 420  
 cagaccggag taatccaggt cggtttctat ctacttcaaa ttcctccctg tacgaaagga 480  
 caagagaaat aagg 494

<210> 1119  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 1119  
 ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60  
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120  
 ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccagc ctaccagcaa 180

```

taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagtcgg ttgtaatgca gcctgagaaa 300
ttccagtgca agtatgagcc ccggagccac atgatggacg tccagggctc caccaggac 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tgggttg 407

```

```

<210> 1120
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 513
<223> n = A,T,C or G

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<400> 1120
ccccagagga cccgttggac ccagtggacc tcctggcaaa gatggaacca gtggacatcc 60
agggtccatt ggaccaccag ggcctcgagg taacagaggt gaaagaggat ctgagggctc 120
cccaggccac ccagggcaac caggccctcc tggacctcct ggtgcccttg gtccttgctg 180
tgggtggtgtt ggagccgctg ccattgctgg gattggaggt gaaaaagctg gcggttttgc 240
cccgatttat ggagatgaac caatggattt caaaatcaac accgatgaga ttatggcttc 300
actcaagtct gttaatggac aaatagaaaag cctcattagt cctgatgggt ctcgtaaaaa 360
cccagctaga aactgcagag acctgaaatt ctgccatcct gaactcaaga gtggagaata 420
ctgggttgac cctaaccaag gatgcaaatt ggatgctatc aaggtattct gtaatatgga 480
aactggggaa acatgcataa gtgccaatcc ttngaattgt ccacggaaac actggtggac 540
agattcta 548

```

```

<210> 1121
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<400> 1121
cggccgaggt ccgccatggc gtgtgctcgc ccaactgatat cgggtgtactc cgaaaagggg 60
gagtcattctg gcaaaaatgt cactttgcct gctgtattca aggctcctat tcgaccagat 120
attgtgaact ttgtttacac caacttgcgc aaaaacaaca gacagcccta tgctgtcagt 180
gaattagcag gtcacagac tagtgctgag tcttggggta ctggcagagc tgtggctcga 240
attcccagag ttcgaggtgg tgggactcac cgctctgg 278

```

```

<210> 1122
<211> 591
<212> DNA
<213> Homo sapiens

```

```

<400> 1122
ctgcagcggc agaggcagca tccagcggcg gcgccagcag ttccagtcg ttgctttact 60
ttttgcttca ccgacatagt cattatgccg aagagaaagt ctccagagaa tacagagggc 120
aaagatggat ccaaagtaac taaacaggag ccacaagac ggtctgccag attgtcagcg 180
aaacctgctc caccaaaacc tgaacccaaa ccaagaaaaa catctgctaa gaaagaacct 240
ggagcaaaga ttagcagagg tgctaaaggg aagaaggagg aaaagcagga agctggaaag 300
gaaggcacag aaaactgaat ctgtagataa cgaggagaga tgaattgtca tgaaaaattg 360
gggttgattt tatgtatctc ttgggacaac ttttaaaagc tatttttacc aagtattttg 420
taaagtctaa ttttttagga ctctactagt tggcatacga aaatatataa ggatggacat 480
tttatcgtct catagtcatg ctttttggaa atttacatca tcctcaagta aaataaatat 540

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F06207452.001

591

<211> 454

<212> DNA

<213> Homo sapiens

ccaattgaaa	caaacagttc	tgagaccggt	cttcactac	tgattaagag	tggggtggca	60
ggtattagg	ataatattca	tttagccttc	tgagctttct	gggcagactt	ggtgaccttg	120
ccagctcaag	cagccttctt	gtccactgct	ttgatgacac	ccaccgcaac	tgtctgtctc	180
atatcacgaa	cagcaaagcg	acccaaaggt	ggatagtctg	agaagctctc	aacacacatg	240
ggcttgcaag	gaaccatata	aacaatggca	gcatcaccag	acttcaagaa	tttagggcca	300
tcttcagct	ttttaccaga	acggcgatca	atcttttctt	tcagctcagc	aaacttgcac	360
gcaatgtgag	ccgtgtggca	atccaataca	ggggcatagc	cggcgcttat	ttggcctgga	420
tggttcagga	taatcacctg	aqcagtgaag	ccag			454

<211> 219

<212> DNA

<213> Homo sapiens

```
cctgctccag agcacggctg accattttctg ctccggggtc tcagctcccg ttccccaagc 60
acactcctag ctgctccagt ctccagcctgg gcagcttccc cctgcctttt gcacgtttgc 120
atccccagca tttcctgagt tataaggcca caggagtgga tagctgtttt cacctaaagg 180
aaaagcccac ccgaatcttg taqaaatatt caaactaat                219
```

<211> 246

<212> DNA

<213> Homo sapiens

ccagagctgg	gcccaagctg	cgctggaatc	gcagcaggag	aggggagtgg	gctggttctt	60
cccaccactt	cccaggctct	gacagccgag	actcatttcc	aaggcacagc	agctttctaa	120
agggactgag	tttgactgg	gttttgacc	tccaggggct	ggagcttcat	cacctgggca	180
gtgtcttttc	tcagagagca	ggtttcttta	tagtttgga	ataaatggtt	cacggttcaa	240
aaqaaa						246

<211> 227

<212> DNA

<213> Homo sapiens

ccattgttcc	cgtgcacgcga	agcttgcagg	cagcttcagg	tcttcggttaa	acataactct	60
ctgggggtggc	ttgggccccac	ccaggaaggt	accacatagc	ctcttcaagt	agctcatgtc	120
cacgttgtag	aagttgtggc	cggcctgcc	cgtgggtattc	cgtttgttga	catagttgac	180
cagctcatcc	qacaggggat	ggaaagaggg	cctgctccgg	gcattgg		227

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1127

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cctgccgtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatattcc 60
aggggaacca ggaagacctc tgggtcccat gagaccaggc tcccagggc gaccagcatc 120
tccattaggt cctcggactc cagcagggcc atttgcacca cgactaccag gagggcccat 180
gacgccagct ctgccatcag ctccaggaag accacgagaa ccaggactac ctctcagccc 240
aggaggtcct ggagggccgg cagatccagc ttccccatta gggcctctct ttccttcttc 300
accactggga ccaggaggac cttggggccc agcagagccg ggctcaccct tgttaccgct 360
ctctcctttg gagccag 377
```

<210> 1128

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1128

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gagagctatt gctttgttaa gatataaaaa ggggtttctt tttgtctttc tgtaagggtgg 60
acttccagct tttgattgaa agtcctaggg tgattctatt tctgctgtga tttatctgct 120
gaaagctcag ctgggggtgt gcaagctagg gaccatttcc tgtgtaatac aatgtctgca 180
ccaatgctaa taaagtccta ttctctttta tgagaaagaa aaagacactg tcctttaaaag 240
tgctgcagta tgg 253
```

<210> 1129

<211> 314

<212> DNA

<213> Homo sapiens

<400> 1129

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ccaagagcta caatgagcag cgcacagac agaacgtgca ggtgtttgaa ttccagttga 60
cttcagagga gatgaaagcc atagatggcc taaacagaaa tgtgcgatat ttgacccttg 120
atatttttgc tggcccccca attatccatt ttctgatgaa tattaacatg gagggcattg 180
catgaggtct accagaaggc cctgcgtgtg gatggtgaca cagaggatgg ctctatgctg 240
gtgactggac acatcgcttc tgggttaaata tctcctgctt ggtgatttca gcaagctaca 300
gcaaagccca ttgg 314
```

<210> 1130

<211> 239

<212> DNA

<213> Homo sapiens

<400> 1130

```
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagtcag 60
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcac 120
aggtgccaaa tcccaggaca ggcataaggt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcact agcctggcta gcaaatgttt cttcctccct cacaggcta 239
```

<210> 1131

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1131

```
aaggagtccct gcttatcaca atgaatgttc tctggggcag cgttgtgatc tttgccacct 60
```

1001754-1050

```

tcgtgacttt atgcaatgca tcatgctatt tcatacctaa tgagggagtt ccaggagatt 120
caaccaggaa atgcatggat ctcaaaggaa acaaacaccc aataaactcg gagtggcaga 180
ctgacaactg tgagacatgc acttgctacg aaacagaaat ttcatgttgc acccttgttt 240
ctacacctgt gggttatgac aaagacaact gccaaagaat cttcaagaag gaggactgca 300
agtatatcgt ggtggagaag aaggacccaa aaaagacctg ttctgtcagt gaatggataa 360
tctaattgtgc ttctagtagg cacagggtc ccaggccagg ac 402

```

```

<210> 1132
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 1132
ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc 120
agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180
gctaactagc agggacccct gcaagtgttg gtcgggggcc tcgagctgcc tgagctgaca 240
cgaggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac 300
ttgg 304

```

```

<210> 1133
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 1133
ctgacatttt ctatagtaga tatggaggag gtccaagact aactgtgaaa gccctgtgta 60
aggaatgtgt agtagaacgt tgtgcataat tgcgtctgaa gaaccaacta aatgaagatt 120
ataaaactgt taataatctg ctgaaagcag cagtaaaggg cagcgatgga ttttgggtgg 180
ggaagtcctc cttgcggagt tggcgccagc tagctcttga acag 224

```

```

<210> 1134
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<400> 1134
cctactctgc tgaggtggcg cttcctgcta agggcccttc tctgcccttt ctgcctcct 60
tcccatccca catgctgagc cgccacaaag accaaagaag tgatggcttt tctctgtccc 120
ctgctgctct gaggggagag ggggtgggtct cctgagccac tcagatggga aagtccctta 180
ctcggccctc ccctccccag cagccccaag ctttacactg gatgcagcga tcaaccacc 240
actcaccagg 250

```

```

<210> 1135
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 1135
ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
tggtagacct catgcaatgc cctccatgtt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240
tcattctctc tgaagtcaac tggaattcaa acacctgcac gttccgtctg atgcgctgct 300

```

1007674099



cattgtagct cttgg

315

&lt;210&gt; 1136

&lt;211&gt; 377

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1136

```

cctgccgtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatttcc 60
aggggaacca ggaagacctc tgggtcccat gagaccaggc tccccagggc gaccagcatc 120
tccattaggt cctcggactc cagcagggcc acttgcacca cgactaccag gagggcccat 180
gacgccagct ctgccatcag ctccaggaag accacgagaa ccaggactac ctctcagccc 240
aggaggtcct ggagggcccg cagatccagc ttccccatta gggcctctct ttccttcttc 300
accactggga ccaggaggac cttggggccc agcagagccg ggctcaccct tggtaccgct 360
ctctcctttg gagccag                                     377

```

&lt;210&gt; 1137

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1137

```

ctgttcaact tccaactcta aataggcacc attaaacaaa aaacccagct attttaaatt 60
tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg 120
ggaatacagc cttagaatgg aagctatatt gcttcctgc cccctttctc ttacaattgg 180
agagtgtagg tattaaggga tacaaagtca gaggaagaat aattaaaaag aaaaatgccc 240
aaagctgcag                                     250

```

&lt;210&gt; 1138

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 431

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1138

```

tcgaccaggt cctcctgggc catctggtcc ccgaggtcag cctggtgtca tgggcttccc 60
cggtcctaaa ggaaatgatg gtgctcctgg taagaatgga gaacgaggtg gccctggagg 120
acctggccct cagggtcctc ctggaaagaa tggtgaaact ggacctcagg gacccccagg 180
gcctactggg cctggtggtg acaaaggaga cacaggaccc cctggtccac aaggattaca 240
aggcttgctt ggtacagggtg gtccctccagg agaaaatgga aaacctgggg aaccagggtcc 300
aaaggtgatg gccggtgcac ctggagctcc aggaggcaag ggtgatgctg gtgcccctgg 360
tgaacgtgga cctcctggat tggcaggggc ccaggactt agaggtggag ctggtccccc 420
tggtcccgaa ngaggaaagg gtgctgctgg tctcctggg ccacctgggt ctgctggtac 480
tctggtctg caaggaatgc ctggagaaag a                                     511

```

&lt;210&gt; 1139

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

F0530F # 45474

<400> 1139  
 ctgtggactc cagcatgttt ctgataatta tgcaagcaac aattctgtag cctcaagtaa 60  
 gaccacctgt gaacttgatc attatctggc ccaaatatga agataaacta taactttgga 120  
 gtttgtttcc tatttgtatt cacattctgc ttcctaaatc agttttctaa attgtgcctg 180  
 caattaggca ttggtcaggg gtgaatggct cttttcacag agagtagcca accagagacc 240  
 tttgctttga tatcatcaac tgcagagaat gctgttgatg ggaatgctgg aagcagaaac 300  
 tttgtcatcg gaaaaacttt tcttgtatgc atgagactca acatcaggat ccacagctta 360  
 aagatgggaa ttcaggatg aaagaaaaca ggcaaggagg cactgaggga gaaagacaca 420  
 gactttatcg ctctgtggct cattgttact ggaatattct aaaactcttg ttcacatgct 480  
 attatgactt ataaagcagc aacag 505

<210> 1140

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1140  
 ctgtagcttc tgtgggactt ccactgctcg ggcgtcaggc tcaggtagct gctggccgcg 60  
 tacttggtgt tgctctgttt ggagggtttg gtgggtctcca ctccgcctt gacggggctg 120  
 ccactctgct tccaggccac tgtcacagct cccgggtaga agtactgat cagacacact 180  
 agtgtggcct tgttggcttg gagctcctca gaggagggag ggaacagagt gacagtgggg 240  
 ttggccttgg gctgac 256

<210> 1141

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1141  
 ccaggggccc attctgtctg tgggactgtg ggttctcagt ggaattgttg cttttcttgt 60  
 cgtggagaaa tttgtgagac atgtgaaagg aggacatggt cacagtcatg gacatggaca 120  
 cgctcacagt catgcacgtg gaagtcatgg acatggaaga caagagcgtt ctaccaagga 180  
 gaagcagagc tcagaggaag aagaaaagga aacaagaggg gttcagaaga ggcgaggagg 240  
 gagcacagta cccaaagatg ggccagttag acctcagaac gctgaagaag aaaaaagagg 300  
 cttagacctg cgtgtgtcgg ggtacctgaa tctggctgct gacttggcac acaacttcac 360  
 tgatggtctg g 371

<210> 1142

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 292

<223> n = A,T,C or G

<400> 1142

cctcccacac tgtcaaatgt caactccacc agcactgaga caatgagtag atgagaatgt 60  
 agaaagaggg aagggtggtag gtaaaggagc ggaaggaaga ggtggggaaa gagggaaggt 120  
 ggtaggtaaa ggagcggaag gaagaggtgg ggaagaggag aaggagagaa gggaaggagg 180  
 gaagagaaaag aaggaagaaa aggaaagcat ggcccggcta gagacaaagc cagaggtgat 240  
 caggtcagca gcaggagagg ctcagaaggg agcctctcgg gaagtgcagg cngccatgag 300  
 ggctcgtttc ag 312

1003754103001

<210> 1147

<211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 1147  
 ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cgggccatac 60  
 ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120  
 acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180  
 gtgtgctcca g 191

<210> 1148  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<400> 1148  
 ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60  
 tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgaccagc catcctgaat 120  
 gtcctctatg gcccagacga ccccaccatt tccccctcat acacctatta ccgtccaggg 180  
 gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggctg 240  
 attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300  
 aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

<210> 1149  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 1149  
 ctgacccact cactgggcgg gggcacaggc tctggaatgg gcactctcct tatcagcaag 60  
 atccgagaag aataccctga tcgcatcatg aataccttca gtgtggtgcc ttcacccaaa 120  
 gtgtctgaca ccgtggtcga gccctacaat gccacocctc ccgtccatca gttggtagag 180  
 aatactgatg agacctattg cattgacaac gaggccctct atgatatctg ctccgcgact 240  
 ctgaagctga ccacaccaac ctacggggat ctgaaccacc ttgtctcagc caccatgagt 300  
 ggtgtcacca cctgcctccg tttccctgg 329

<210> 1150  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 1150  
 ccagttatatt gcaagtggta agagcctatt taccataaat aatactaaga accaactcaa 60  
 gtcaaacctt aatgccattg ttattgtgaa ttaggattaa gtagtaattt tcagaattca 120  
 cattaacttg attttaaaat cagttttgtg agtcatttac cacaagctaa atgtgtacac 180  
 tatgataaaa acaaccattg tattcctgtt tttctaaaca gtocctaattt ctaacactgt 240  
 atatatcctt cgacatcaat gaactttgtt ttcttttact ccagtaataa agtaggcaca 300  
 gatctgtcca caacaaactt gccctctcat gccttgccct tcaccatgct ctgctccagg 360  
 tcagccccct tttggcctgt ttgttttgtc aaaaacctaa tctgct 406

<210> 1151  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

```
<210> 1152
<211> 427
<212> DNA
<213> Homo sapiens
```

```
<210> 1153
<211> 331
<212> DNA
<213> Homo sapiens
```

```
<210> 1154
<211> 403
<212> DNA
<213> Homo sapiens
```

<210>	1155
<211>	491
<212>	DNA

<213> Homo sapiens

<400> 1155

```
cctccctctc agagcttgcc ccagggactc tctggccctc aggggttcaat gtattctgac 60
caaggccaag ctttcctggg gctcagggaa aatcacactt tgctaccgga agctgtatcc 120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
gatgcagcct ctgtgaacag gtgcctggag gctgggaaat gaccctgaga gggcaggaca 300
cagcaaccgt gggcttaagg tgaccttgag agcaagcttg gccacttta caattctgtt 360
cagagccagc ccctaacatg gtggtcattt attcatttgt tccctcattt taaaaaatgt 420
aaggccaggc atggtggctc acgccgggta atcccagcac tttgggaggc cgaggcaggc 480
agatcacctg a                                     491
```

<210> 1156

<211> 586

<212> DNA

<213> Homo sapiens

<400> 1156

```
agcaaataga agcaatcagg gcactgcaag ttgtgactac tccaagatgt gaatcatgga 60
tcatgcaaat tacaatcatg ttttaacctg acctccaaag ggagaataaa gtaaaaaatta 120
tcccatgtga ggattattca ccagtttata tgtcattagt taccagtttt tctttatgaa 180
taatgtttag caatattata aagtatatct aatagttatc aggtttttgg cttgttactt 240
tttggtagta acttataaaa ctgactggaa aagaccaata aggcactgtt tgcattgtac 300
aaattatata caaagaccaa aagctgttaa taagaaatct tccaataaaa ccacatcata 360
ttttcttttt tatttacacc cacatcagga ttacaacttt atcaggactg caccttgatc 420
aggaagggat gtttctctta caaggctaata aagaaaggaa caataaattt gctgatgaaa 480
aaagtcatgc atttaaaaaa ttttaacttta atttttaatt gagggcaata ttttaaagaa 540
atgctcatta gtcattcctt taaatttgtgt gtgtgagaga gagaaa                    586
```

<210> 1157

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 373, 389

<223> n = A,T,C or G

<400> 1157

```
cctccggctg gtgttctgag ggttgccagg ccatcgtgga cacaggcacc tctctgctca 60
ctgtgcccc a gcagtacatg agtgcctctc tgcaggccac aggggcccag gaggatgagt 120
atggacagtt tctcgtgaac tgtaacagca ttcagaatct gccagcttg accttcatca 180
tcaatggtgt ggagttccct ctgccacctt cctcctatat cctcagtaac aacggctact 240
gcaccgtggg agtcgagccc acctacctgt cctcccagaa cgccagccc ctgtggatcc 300
tcggggatgt ctctctcagg tcctactatt ccgtctacga cttgggcaac aacagagtag 360
gctttgccac tgnccgctag acttgctgnc tc                                     392
```

<210> 1158

<211> 375

<212> DNA

<213> Homo sapiens

1001754-1001754

&lt;400&gt; 1158

```

gggaaaaata attttattcc tcaaagatgc agcacattca gaagcaggac agaggagctc 60
tgatgacatc tctgggggac tcaaagcggc cctcattttc tggatatttc ccagggtgatt 120
ctcttccaac ctgtgagtcc tgctctcttt cctcccatct gaagtttgag acatcctctg 180
ccacaaggaa agccaccaat accagcccaa agagccacca gagaggaacc aaaccacatg 240
catcaagtta taggaaggat gcaagaaggg aaattaggaa ggaaagggag gagtttagtt 300
ggcattcttg ggcattgctaa catgagggcg atggtctctc tccaagtcgc tggacatatc 360
ccttttcttt ccagg

```

375

&lt;210&gt; 1159

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 338

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1159

```

gtttatttga aaaaacaaaa aactctgtat tgtgcacatg aagacctgga gatgtgccga 60
cttcctgtcc ccaaagccaa tcttccccgc caaggcgact gaggatttca agggctcaga 120
gttactgcag gaatccaggt gacaccagga agagaagggg gaggagggga atcggagggg 180
atgggtttta aaggcagagg ggagggagat ggaaggggaat gaggaggagg gagactgagg 240
gggctgcctt tccttgggga ctggggaact catgccctgc cccacccgc agggctccag 300
gggtgagaga aaggggtgga gaataaagaa ttgggcanca gggatgatggg gggaacagca 360
g

```

361

&lt;210&gt; 1160

&lt;211&gt; 142

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1160

```

cgcaatgttg ccagtgtctg tctgcagggt ggctacccaa ctgttgcatc agtaccat 60
tctatcatca acgggtacaa acgagtcctg gccttgctg tggagacgga ttacaccttc 120
ccacttgctg aaaaggtcaa gg

```

142

&lt;210&gt; 1161

&lt;211&gt; 193

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1161

```

ccaaagccta cgaccacctc ttcaagttgc tgctgatcgg ggactcgggg gtgggcaaga 60
cttgtctgat cattcgcttt gcagaggaca acttcaacaa cacttacatc tccaccatcg 120
gaattgattt caagatccgc actgtggata tagaggggaa gaagatcaaa ctacaagtct 180
gggacacggc tgg

```

193

&lt;210&gt; 1162

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1001541094

```

<400> 1162
cctgggtgcc acgattccca gcctggagcg cagccaggac gtgggagacc ttctcagaga 60
ctctccgggc aactctatg agctccttct tgggttaggc atcactgggg ctgcactgca 120
gggcgcctgc cttggtgacc agagcggcac agccatggcc cagctcctgt acccgggtgt 180
tgatatggga acctatctct tcatttttcag cagccaccgc tgcaggcttg gcctccgagg 240
ccagacggcc atagtcactg gtcag                                     265

```

```

<210> 1163
<211> 337
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 15, 204, 205, 212, 224, 263, 285, 293
<223> n = A,T,C or G

```

```

<400> 1163
ctgcagagtg ggganaggct tttgccacta gaaacttcca ggatgcacga gatcaaggaa 60
ttaagtctgt aacaaaataa caggatgctc tgtgaagtcc aaagaattgc ttgaggcaaa 120
ctgcagagct ccatgagatc agcaacccca agagctttta caccgccgga cacggtttaa 180
taggaaaaaa atctcctata ctgnntattc anaaccaa at gaanagaaat gtcaaaggag 240
tcggaaacaa tatgtcaaat tangtaaatt cctgacctga cccanatttt gcngaacatt 300
tgatcctaaa ctgtgctgtc cacgtcctta ggatcac                                     337

```

```

<210> 1164
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 221, 226, 233, 242
<223> n = A,T,C or G

```

```

<400> 1164
ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgagggtca ggagttoagag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180
cgaggcagga gaattacttg aacgcaggag aatcactgca ncccangagg canagggttg 240
antgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcaccct gaagtcagcg 360
ggcccagg                                     368

```

```

<210> 1165
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 179, 211, 214, 235, 251, 252
<223> n = A,T,C or G

```



<400> 1165  
 ctgggaagga ggctcctccg ccttctcctg tttgtcatcc tcctcatcag actcgacctc 60  
 catctcaact tcctcactct ccccaaactt ttcatagcgc tcctgaatga ggattcgggc 120  
 cccagctcc tctggcgtag tggggggagg gaagttccct tgctcattgg gttggaagnc 180  
 cactgtttcc accaccacaa aatcatgcc a ntcnatctga gcataggcca cccgntcctt 240  
 ctcttctcc nnttcttctt tcttctt 267

<210> 1166  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 142, 323, 354, 376, 381, 382, 402, 408, 422  
 <223> n = A,T,C or G

<400> 1166  
 ctgtctgtac actttttctt gggggaagag ttcttgtctt cagtttactg cagtaggggtt 60  
 cctggctctg ttacatgctc atgtgttccg gaagaacaca tgaaatatca tcccacggat 120  
 gacgatacag cccctgcttc ancctcttct gatcaagata gtgtccaatg aacccatac 180  
 tccttccag cacaaagatg ccattgaggg ctccaatgtc aatatattca tcagcttctt 240  
 ccctgcaaca cacatcaact tgtagtttta aaaggctcac gtgactgcc tcctccccac 300  
 agacagtact actactgcc aanaatgaga agaaaagggg tgctctgggt ggtngcatta 360  
 caggcaattt ttgttntctt nnttatacct ctcttattt tncaaatntt ctattatgag 420  
 tntgcattac ttt 433

<210> 1167  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 1167  
 cctctggctc tttcttcagc cacttctcca gctcctgcag gttctggtct gagtagtcag 60  
 tgacgacgat ctcttaaaag gattcacaag cagagaggag ctgatagata gtggggccag 120  
 agccgatgtc aatcagcagg tctcccttca caccgtctag gcagaatatc ttgaaaagat 180  
 ttttcagaag gtgcttaaga atctggcttt ctgcagagtg cctagaacca aacttgtaat 240  
 atttttctag gtaatcccga gggttaaaat ggcttagata ggtgtccttg gaggtgaagc 300  
 ctgattccat tatgtctcac ttccgtacca ctggagcact gccctccttc tctttctctc 360  
 ag 362

<210> 1168  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 370, 382, 406  
 <223> n = A,T,C or G

<400> 1168  
 gcagtcattg ggcccaggac catgccactg gccctgctcc cccagccgca gcctcaacctg 60  
 cagggtgctc tcgatgtcct tgcggtcgta ggtgatgcca ctgggcgtga tgcacggctc 120



<220>  
 <221> misc\_feature  
 <222> 32, 62, 70, 71, 77, 90, 111  
 <223> n = A,T,C or G

<400> 1172  
 ggcaacggga ggaacagcag cagaggcagc angagcagga ggagcgtgaa cgagaagagc 60  
 ancggcgatn ngctgcncctc agtgaccgan agaagagagc tctggctgca naggcgccgac 120  
 tcgctgcccga gttgggagcc cctacctctc caatccctga ctctgcaatc gtcaatactc 180  
 gacgctgctg gagttgtggg gc 202

<210> 1173  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 1173  
 ctgcctgggt tgtggccgcc ctagcatcct gtatgcccac agctactgga atccccgctg 60  
 ctgctccagg ccaagcttct ggttgattaa tgagggcagtg ggggtgggtccc tcaagacctt 120  
 cccctacctt ttgtggaacc agtgatgcct caaagacagt gtcccctcca cag 173

<210> 1174  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 1174  
 ccaagagcta caatgggcag cgcatacagac agaacgtgca gggtttttgag ttccagttga 60  
 ctgctggagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120  
 atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180  
 gcctgatgtc taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg 240  
 gtgactggac atatcacctc tacttaaatc cgtcctgttt agcgacttca gtcaactaca 300  
 g 301

<210> 1175  
 <211> 537  
 <212> DNA  
 <213> Homo sapiens

<400> 1175  
 cctgcagggc tcggccgtag gagaagggtca gggcccaggg cttcagcagg gggcacttgt 60  
 taatggcatt gaggttgatg gacgcctcct cctcactctg gcctccagac aggaagggtga 120  
 tcccagtgac agcggggggc actgtgcggc gcagcgtgtg gacggtcgcc atggcaatct 180  
 cctcatgaga aaacttctga gtgcaagcat ggcttgggtg gacctgttg ggcttcagca 240  
 aggtgccttc caggtagatg tgggtgtcac tcagagcctt gtagacagca gccagcacct 300  
 tctcgtcac atactggcag cgcttcaagt catggcccc atcaggagg atctcaggct 360  
 ccacgatggg caaatgcca ttctgctggc agatactggc ataacgggcc agaacatttg 420  
 cattttccat gatggcgagg gctgaggggg tgtgttcccc aatcttcagc acacaacgcc 480  
 acttggcgaa gtcagctccg tccttcttgt actgggcaca gcgctcagac agcccat 537

<210> 1176  
 <211> 384  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 268, 285, 334, 360, 361, 368

<223> n = A,T,C or G

<400> 1176

```
ctgacaaaaa atgtgaaatt tccacaaaat atccaactta tgtgactaaa cgcagtagtt 60
tttttaaaag gggagataga aaataaatgg ttttgttgga gtgcatttta gtaagccttt 120
gcagtaaaat gacggttgta actactaaac caaatttagt tttcacagca tggttttggt 180
gttttccctt tgtttttcag aggtaaattt tgcattatat ccttcagtat ttttaacta 240
ttttggcagt ttacacatta ctttttgntt ttccttcctt tttgngaaat gtattaagtt 300
gtggttctta ttgaaacagt attatataat gttngcttaa ttatatcatg tgatgctcan 360
ntctattntg atttattcat tagt                                     384
```

<210> 1177

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 492, 541, 550

<223> n = A,T,C or G

<400> 1177

```
ccaacaacat gcaggaagct cagagtatcg atgaaatcta caaatacgac aagaaacagc 60
agcaagaaat cctggcggcg aagccctggg ctaaggatca ccattacttt aagtactgca 120
aaatctcagc attggctctg ctgaagatgg tgatgcatgc cagatcgga ggcaacttgg 180
aagtgatggg tctgatgcta ggaaagggtg atggtgaaac catgatcatt atggacagtt 240
ttgctttggc tgtggagggc actgaaaccc gagtaaagtc tcaggctgct gcatatgaat 300
acatggctgc atacatagaa aatgcaaaac aggttggccg ccttgaaaat gcaatcgggt 360
ggtatcatag ccaccctggc tatggctgct ggctttctgg gattgatggt agtactcaga 420
tgctcaatca gcagttccag gaaccatttg tagcagtggt gattgatcca acaagaacaa 480
tatccgcagg gnaaagtga tcttggcgcc tttaggacat acccaaaggg ctacaaacct 540
nctgatgaan gaccttctga gt                                     562
```

<210> 1178

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 117

<223> n = A,T,C or G

<400> 1178

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aatacggccg tgggcgatct gggggccagg ttcgggatga gtatcggcag gactacnatg 120
ctgggagagg aggctatgga aaactggcac agaaccagtg agtggtgaga gctctgtcag 180
tgacaaacac tcctttggcc tgttgaattt gctgaagaac atcacctaaa gtctgcacac 240
gagccattt ttaccaagat ttgatcagtg tctttactga gctggaagcc tctgaaagtt 300
```

1176 1177 1178

attaaaggac agaatccaaa agaatgcctt taattcttgt ctgagaatct tgg 353

<210> 1179

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1179

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ccaatgggat cctcaagggt cctgccatca atgtcaatga ctccgtcacc aagagcaagt 60
ttgacaacct ctatggctgc cgggagtcct tcatagatgg catcaagcgg gccacagatg 120
tgatgattgc cggcaaggta gcggtggtag caggctatgg tgatgtgggc aagggctgtg 180
cccaggccct gcgggggttc ggagcccgcg tcatcatcac cgaggttgac cccatcaacg 240
cactgcaggc tgccatggag ggctatgagg tgaccacat ggatgagg 288
```

<210> 1180

<211> 523

<212> DNA

<213> Homo sapiens

<400> 1180

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ctggagagat ggagcgggtg gcaccgtcat ccttctcat cagccacata gaaggacagt 60
ggcgatttca gccagcttt tctgactgct tgtaaattga agcccagaac tggtttgcca 120
cctgtgggat cgactcagca ttttaaaata ggaggcagtc gtgagtgcag gtttcttgca 180
gctccgggtg gccctgggct ccaggtcagg agacctcagc tcctgtccct gatctgtggt 240
tgtcaagcct tgcagactct aaactcagca tctttatctg tcagacgtag acacgtggct 300
cccggtggtg gtgcggttg aatagctgag gtaatacacg gacctccaag cactagagca 360
gtatgaggag ttctgaggaa tggttatcct gcggtgcctg tggtcacag caagccattc 420
ttatcccatc cggtttactt cccacagcca ctttgtaagc ataggcatta tcctctaccc 480
catcatagaa atgaggaaaa gaatcaccaa gagagtaagc agc 523
```

<210> 1181

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 438, 479

<223> n = A,T,C or G

<400> 1181

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ttaacagcct ggaccagcag agtaacatcg gaattcttca ctccaaatca tgtgcttaac 120
tgtaaaatac tcccttttgt tacccttaga ggactcactg gtttcttttc ataagcaaaa 180
agtacctctt cttaaagtgc actttgcgga cgtttcactc cttttccaat aagtttgagt 240
taggagcttt taccttgtag cagagcagta ttaacaccta gttgggtcac ctggaaaaca 300
gagaggctga ccgtggggct caccatgcgg atgcgggtca cactgaatgc tggagagatg 360
ttatgtaata tgctgagggt ggcacctcag tggagaaatg taaagactga attgaatttt 420
aagctaattg gaaatcanag aatgttgtaa taagtaaagc ccttaagagt atttaaaana 480
tgcttccaca ttt 493
```

<210> 1182

<211> 329

<212> DNA

<213> Homo sapiens

<400> 1182

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cgcgtctctg acactgtgat catgatagg gttcaaacag aaagtgcctg ggccctcctt 60
ctaagtcttg ttacaaaaaa aaggaaaaag aaaagatctt ctcagttaca aattctggga 120
agggagacta tacctggctc ttgccctaag tgagaggtct tccctcccgc accaaaaaat 180
agaaaggctt tctatttcac tggcccaggt agggggaagg agagtaactt tgagtctgtg 240
ggcctcattt cccaggtgcc ttcaatgctc atcaaaacca ggcattggga aggccctggc 300
aaactgctcc acccgttgcc tgaggttg 329

```

<210> 1183

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1183

```

cctgacagac agaagggctt ggagattttt tttctttaca attcagtctt cagcaacttg 60
agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgta agcatagaga 120
cgatttgaat atcttccagt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
atcctgggga catactgg 198

```

<210> 1184

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1184

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ctggaggtgc ctcagaaggt gcattctgct tcttgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
gggtagccgc agtccaccct gtccttggct ggcacggcac actggtttgc agacaggccc 180
acgtactcct cagcagagct ggaggacagc aaggccagga ccag 224

```

<210> 1185

<211> 367

<212> DNA

<213> Homo sapiens

<400> 1185

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ccttttacag atgtcagctt tcaactggcct ccatgcacaa cctcccacta ccaccaatc 60
tgctgccac agcaaagtgc aggcaccctg ggccccctgg aggatgcggg caggggctac 120
agggcatcca ggatgtggct gatcttggtg accagctcct ggcgctttcc tgagatgagc 180
ttctcattct caatgtacgt gtctttcttg agcttgccag ccaccaggcg ctcagcctcc 240
accgccgact tcagcaccag ctcttgacc tgtgcatcca gcttctgcat ttcgtcact 300
ctgtcgaca gatcagagcc ctctgtcttc agcctggact gcagcagtgc aatctcactg 360
gtcaagg 367

```

<210> 1186

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1186

```

ccattaagcg gatgctggag atgggagcta tcaagaacct cacgtccttc cgacctgggc 60
aagagctgta gcctgtcggg tgcctactct gctgtctggg tgaccccat gcgtggctgt 120

```

```
<210> 1190
<211> 173
<212> DNA
<213> Homo sapiens
```

<400> 1190  
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ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120  
tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

<210> 1191  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 1191  
cctcctgcc a gcagttcttg aagcttcttt ttcattcctg ctactctacc tgtatttctc 60  
agttgcagca ctgagtgggc aaaatacatt tctgggccac ctcagggaa ccatgcatct 120  
gcctggcatt taggcagcag agcccctgac cgtcccccac agggctctgc ctcacgtcct 180  
catctcattt ggctgtgtaa agaaatggga aaaggga aaa ggagagagca attgaggcag 240  
ttgaccatat tcagttttat ttattttattt ttaatttggt cttttctcca agtccaccag 300  
tctctgaaat tagaacagta ggcgggatga gataatcagg a 341

<210> 1192  
<211> 324  
<212> DNA  
<213> Homo sapiens

<400> 1192  
ttggaggttg gcggcgcggg gctgaaggct agcaaaccga gcgatcatgt cgcacaaaca 60  
aatttactat tcggacaaaat acgacgacga ggagtttgag tatcgacatg tcatgctgcc 120  
caaggacata gccaaagctgg tccctaaaaac ccatctgatg tctgaatctg aatggaggaa 180  
tcttggcggt cagcagagtc agggatgggt ccattatatg atccatgaac cagaacctca 240  
catcttgctg ttccggcgcc cactacccaa gaaaccaaag aaatgaagct ggcaagctac 300  
ttttcagcct caagctttac acag 324

<210> 1193  
<211> 521  
<212> DNA  
<213> Homo sapiens

<400> 1193  
ctgctttggt ttctgttggc agtggaggga caagggtgaga ggagccaggg gtagtcatga 60  
acaccagtgg gttctgccct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120  
gctccagcag tctcaactgg gaagaccag gactcctgct cttttctcta atccctggga 180  
gacgaggtcc agctaaggta gagtaagcag tcagtgaacca ggcaggctgg tttgggaggt 240  
cactgcctgg aggacgggat cttgtattct tcggaagatg gctgggaaat tcttcctcc 300  
attacgtaga actttcttcc cctcctcagt tgaggtgcct agatgtccca caacggggtc 360  
ttcactcagg tctccagag gcacacgctc aaacagtggg tgcctctcga aatgagtgc 420  
catccagtcg ttagctcca gcacatcggt tatggtatac accagcccct gcataggcaa 480  
aatcacccta gacaggaggc tgcattgcaac gtcagcagcc a 521

<210> 1194  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 1194



ccagtgacta gaaggcgagg cgccgcggga ccatggcggc ggccggcgac gagcggagtc 60  
 cagaggacgg agaagacgag ggagaggagg agcagttggt tctggtggaa ttatcaggaa 120  
 ttattgattc agacttcctc tcaaaatgtg aaaataaatg caagggtttg ggcattgaca 180  
 ctgagaggcc cattctgcaa gtggacag 208

<210> 1195  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<400> 1195  
 ccagaaagga aagacaataa ttttggtttt tcattttgaa aaaattaaat gctctctcct 60  
 aaagattcct cacctacttt ggtctccata acttctatgt tttctttcct tctgacacac 120  
 tagtgcccct aaattgtgat ttgcctatac gtttagggcc ggggttgaa gatgtaaca 180  
 accatttaag attcatttct gcagtgggag tgggtggagt ttcaccctct gggaaagggg 240  
 caggtgacag gtatttatca gtcagtgcct ctctagctct tgtaggaaga agcacacgca 300  
 ggatggagtc tagaggatga gcgatattga ctagcaattc atgggctccc tccagcagtg 360  
 cgagggtcag agtttctgga gccttgggag gaggcatccc tgtgaggggg ggtagggag 420  
 atgggagggc accaggaaaa gtgattagaa gtcaggatg ggaaggctaa attaggacag 480  
 agtcgagtac atctctgct 499

<210> 1196  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<400> 1196  
 ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60  
 acaagacaac ctgaagctaa atggatgccc cctgcagagt caacaggtcc agcctcacag 120  
 tgcacgccct gagctacagc ctctcccaaa aggcattctt cccacagcct caacgccgag 180  
 caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240  
 cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300  
 agaaaatgcc agaaacatct ttaaatgcct tgtcacacca acagcaaagt gcacagagtg 360  
 aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caacttcgat 420  
 acagtttcag ggtgctccag acacccatgg acctg 455

<210> 1197  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<400> 1197  
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 ccagcacctc agtggacacc cagggcccgt tccaagtgcc ccgatgggtcc acgtgactg 120  
 taaacagagg cgggatgatg gaaatgtcct cgttattcct ctgagccttc ctgaggaggc 180  
 tgtaggactc ctgcgtcgaag aatctaacct cataggtgcc tgcgtgggag ctcttgtggt 240  
 tcaggcttca ggacacctga taacgcccc catcctggcc tcgagtgaca gggaattgtt 300  
 ttccaccgac gtcagcatag agagccatgt tctggaccct gttcttgcag gtcagggaga 360  
 tctccacaat gaagacggtc tcagtggaaa tgacagcgtc agaagtgggt tagtaggaag 420  
 gggatgatctg gggctccagg cagg 444

<210> 1198  
 <211> 450  
 <212> DNA

```
<210> 1202
<211> 325
<212> DNA
<213> Homo sapiens
```

<400> 1202  
 ctgaacctgc gggagtcggc caccatcacg tgcctggtga cgggcttctc tcccgcggac 60  
 gtcttcgtgc agtggatgca gagggggcag cccttgctcc cgagaagta tgtgaccagc 120  
 gcccgaatgc ctgagcccca ggcccaggc cggacttcg cccacagcat cctgaccgtg 180  
 tccgaagagg aatggaacac gggggagacc tacacctgcg tggtagccct tgaggccctg 240  
 cccaacaggg tcaccgagag gaccgtggac aagtccaccg gtaaaccac cctgtacaac 300  
 gtgtccctgg tcatgtccga cacag 325

<210> 1203  
 <211> 518  
 <212> DNA  
 <213> Homo sapiens

<400> 1203  
 ctcaaccaca gtctgacacc agagcccact tccatcctct ctggtgtgag gcacagcgag 60  
 ggcagcatct ggaggagctc tgcagcctcc acacctacca cgacctcca gggctgggct 120  
 caggaaaaac cagccactgc tttacaggac aggggggtga agctgagccc cgcctcacac 180  
 ccacccccat gcaactcaag attggatttt acagctactt gcaattcaaa attcagaaga 240  
 ataaaaaatg ggaacataca gaactctaaa agatagacat cagaaattgt taagttaagc 300  
 tttttcaaaa aaccagcaat tccccagcgt agtcaagggt ggacactgca cgctctggca 360  
 tgatgggatg ggcaccgggc aagctttctt cctcgagatg ctctgctgct tgagagctat 420  
 tgctttgtta agatataaaa aggggtttct ttttgtcttt ctgtaagggt gacttccagc 480  
 ttttgattga aagtcctagg gtgattctat ttctgctg 518

<210> 1204  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 1204  
 ggggaaagga ggtctcactg agcaccgtcc cagcatccgg acaccacagc ggcccttcgc 60  
 tccacgcaga aaaccacact tctcaaacct tcaactcaaca cttccttccc caaagccaga 120  
 agatgcacaa ggaggaacat gaggtggctg tgctgggggc acccccagc accatccttc 180  
 caaggtccac cgtgatcaac atccacagcg agacctccgt gcccgaccat gtcgtctggt 240  
 ccctgttcaa caccctcttc ttgaactggg gctgtctggg cttcatagca ttgcctact 300  
 ccgtgaagtc tagggacagg aagatgggtg gcgacgtgac cggggcccag ga 352

<210> 1205  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<400> 1205  
 ctgttcaact tccaactcta aataggcacc attaaacaaa aaacccagc attttaaatt 60  
 tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg 120  
 ggaatacagc cttagaatgg aagctatatt gcttccctgc cccctttctc ttacaattgg 180  
 agagtgtagg tattaaggga taaaaagtca gaggaagaat aattaaaaag aaaaatgccc 240  
 aaagctgcag 250

<210> 1206  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> 10, 11, 13, 236, 237

<223> n = A,T,C or G

<400> 1206

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ctgctctcgn ngnctcactg gatggaccag cacttccgca cgacgcccct ggagaagaac 60
gccccogtct tgctggccct gctgggtatc tggtagatca actgcttttg gtgtgagaca 120
cacgccatgc tgccctatga ccagtacctg caccgctttg ctgcgtactt ccagcagggc 180
gacatggagt ccaatgggaa atacatcacc aaatctggaa cccgtgtgga ccaccnnaca 240
ggccccattg tgtgggggga gccagggacc aatgg 275
```

<210> 1207

<211> 182

<212> DNA

<213> Homo sapiens

<400> 1207

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ccatctcctg ctggaagtcc agggcgacgt agcacagctt ctccttgatg tcgcgcacga 60
tttcccgtct ggccgtgggtg gtgaagctgt agcctcgctc agtgaggatc ttcattgaggt 120
agtcggtcag gtcccggcca gccaggtcca gacgcaggat ggcgtggggg agggcgtagc 180
cc 182
```

<210> 1208

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 130, 154, 167, 176, 240

<223> n = A,T,C or G

<400> 1208

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gctggttatg aactcctgac ctcaagtgat ctgccctcct cagcctccca aagtgctggg 60
attataggca tgagccactg gaatttttct tttttttttt ctttcttttt tttttttttt 120
ttaaattgan acaaggtctg gctctatcgc ccangctgga gtgcagnggc accatntcgg 180
ctcactgcaa cctctgcctg ctgggctcga gccatcctcc cacctcagcc tcccaagtan 240
ttgggactag aggtatgcac 260
```

<210> 1209

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1209

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aaaccctac caccttacta ccagacaacc ttagccaaac catttaacca aataaagtat 60
aggcgataga aattgaaacc tggcgcaata gatatagtag cgcaagggaa agatgaaaaa 120
ctataaccaa gcataatata gcaaggacta atccotatac cttctgcata atgaattaac 180
tagaaataac tttgcaagga gagccaaagc taagaccccc gaaaccagac gagctaccta 240
agaacagcta aaagagcaca cccgtctatg tagcaaaata gtgggaagat ttataggtag 300
aggcgacaaa cctaccgagc ctggtgatag ctggttgtcc aagatagaat cttagttcaa 360
ctttaaatth gccacagaa ccctctaaat ccccttgtaa atttaactgt tagtccaaag 420
```

1007540694

aggaacagct ctttggacac taggaaaaaa ccttgtagag agagtaaaaa atttaacacc 480  
catagta 487

<210> 1210  
<211> 216  
<212> DNA  
<213> Homo sapiens

<400> 1210  
ccactcagct cagcgggcca cgtgccccta caagttggca gaagtggctg ccaactgctgg 60  
gtttgtgtaa gagaggctgc tgccaccatt acctgcagaa accttctcat aggggctacg 120  
atcgggtactg ctagggggca catagcgccc atggatgtgg taggtggggt actcgctcat 180  
aggatggtag gtatcccggg ctggaaagat gtccag 216

<210> 1211  
<211> 443  
<212> DNA  
<213> Homo sapiens

<400> 1211  
ccaaggtcag aggtgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60  
ctgggcactg cccagagtga tggcattggg ccggatgctg ttctgtctct gcttggacac 120  
cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180  
ggctgaggtc tccaggaaga gcagtccatt gttttcagcg aacattcggg cctcctcagt 240  
gggcacttcc cgggcctggc tgaggtcact tttgttacct acgagcatga cgacgatcgt 300  
ggcttcagca tggtcataga gctccttcag ccacgctcc accacagcat aggtctgggtg 360  
cttggttagg tcaaacacca ggaggggccc cactgcacca cgatagtacg ccgaggtgat 420  
ggctcgggtac cgctccaggc cag 443

<210> 1212  
<211> 526  
<212> DNA  
<213> Homo sapiens

<400> 1212  
actgaaaccc gagtaaatgc tcaggctgct gcatatgaat acatggctgc atacatagaa 60  
aatgcgaaac aggttggccg ccttgaaaat gcaatcgggt ggtatcatag ccaccctggc 120  
tatggctgct ggctttctgg gattgatgtt agtactcaga tgctcaatca gcagttccag 180  
gaaccatttg tagcagtggg gattgatcca acaagaacaa tatccgcagg gaaagtgaat 240  
cttggcgcct ttaggacata cccaaagggc taaaaacctc ctgatgaagg accttctgag 300  
taccagacta ttccacttaa taaaatagaa gattttgggtg tacactgcaa acaatattat 360  
gccttagaag tctcatattt caaatcctct ttggatcgca aattgcttga gctgttgtgg 420  
aataaatact gggngaatac gttgagttct tctagcttgc ttactaatgc agactatacc 480  
actggtcagg tctttgatth gtctgaaaag ttagagcagt cagaag 526

<210> 1213  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 15, 255, 258, 321, 322, 357  
<223> n = A,T,C or G

1002494001

<400> 1213  
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gtgctgggtct aagcaagctg agatcatttg caatggaaaa cacgtaactt gtttaaaagt 180  
ttttctggta gcttttagctt tatgctaaaa aaaataatga cattgggtat ctatttcttt 240  
ctaagactac attantanga aaataagtct tttcatgctt atgatttagc tgttttgttg 300  
taattgcttt ttaaaggaag nnattaatat cataagttat tattaatatt gtgaacnca 359

<210> 1214  
<211> 428  
<212> DNA  
<213> Homo sapiens

<400> 1214  
ccaagcttga ggcagcccta ggtgaggcca agaagcaact tcaggatgag atgctgcggc 60  
gggtggatgc tgagaacagg ctgcagacca tgaaggagga actggacttc cagaagaaca 120  
tctacagtga ggagctgcgt gagaccaagc gccgtcatga gacccgactg gtggagattg 180  
acaatgggaa gcagcgtgag tttgagagcc ggctggcgga tgcgctgcag gaactgcggg 240  
cccagcatga ggaccaggtg gagcagtata agaaggagct ggagaagact tattctgccca 300  
agctggacaa tgccaggcag tctgctgaga ggaacagcaa cctgggtggg gctgcccacg 360  
aggagctgca gcagtcgcgc atccgcatcg acagcctctc tgcccagctc agccagctcc 420  
agaagcag 428

<210> 1215  
<211> 414  
<212> DNA  
<213> Homo sapiens

<400> 1215  
ctgaagcact cttcagagac tacgtccaca gacactgatg ctgaggcctt tcttgtaagt 60  
gaagaaaaag gaatgcagca aagaagagtt cgacattgga gtccttagtt ccatcaggat 120  
cccattcgca gccttttagca tcatgtagaa gcaaaactgca cctatggctg agataggtgc 180  
aatgacctac aagattttgt gttttctagc tgtccaggaa aagccatctt cagtcttgct 240  
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaaagc agccgaacca 300  
atgattaaag acctctaagg ctccataatc atcattaaat atgcccacac tcattgtgac 360  
tttttatttt atatacagga ttaaaatcaa cattaaatca tcttatttac atgg 414

<210> 1216  
<211> 162  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 118, 119, 148  
<223> n = A,T,C or G

<400> 1216  
cctggccgca ggggtccccg gtattgctgt tgctacgagg ttgggggggca gcgattgtcc 60  
tgtgggagcc accgttctcc tgggtcgggg accctcactt cttctggggg gtgctcannt 120  
tctgcatgcc ccggatcttg tccagcangc cagaaatgaa gg 162

<210> 1217

<211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 306  
 <223> n = A,T,C or G

<400> 1217  
 ctgaagtaga ggctggaact gaagctgaga ctgaggctga ggctgaaact ggagctaagg 60  
 gtgaggctgg aactggagct gaggttgagg ccagaactgg agctaaagtt gaggctggaa 120  
 ccggagctga ggttgaggct ggaactggag ttaagggtgc tggagtgga gctgagggtg 180  
 aggctggaac tgaagctgag gttgaagggtg gaagtggagc cgaagctaga ggtggaactg 240  
 aggctgaaga ctgtgcttgc tggatccctg tagcctgttt tttggcaaat cttggaggaa 300  
 gcttanaagt ctggcttctt cctttttcat ttgcattctt tttgttccag accttaaaaa 360  
 attaacgggg accatttttg tcaataatgc ag 392

<210> 1218  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 379, 447, 470, 501  
 <223> n = A,T,C or G

<400> 1218  
 ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60  
 agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatata ttaacaaagc 120  
 aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggctg ccatcccatc 180  
 atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240  
 agcttaactt aacaatttct gatgtctatc ctttagagtt ctgtatgttc ccatttttta 300  
 ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctttgagtg catgggggtg 360  
 ggtgtgaggc ggggctcanc ttcaaccccc tgtcctgtaa agcagtggct ggtttttcct 420  
 gagcccagcc ctgggaggtc gtggtangtg tggaggctgc agagctcctn cagatgctgc 480  
 cctcgctgtg cctcacacca nagaggatgg aagtgggctc tggtgt 526

<210> 1219  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<400> 1219  
 ctggccggcg gtgcagatct ggagtccagc ctgaggatg cgctactttc cattctctgc 60  
 attgaacatt cgttctgtca gcatccgctc cagcttcaact gcatcagcgg caaacttgcg 120  
 gatcccgtca gagagcttct ccacagccat ctggctcctg ttgtgcaacc aacggaaaga 180  
 cttctcatcc aggtggattt tttccaggtc actggcttgg gccgccttgg ctgagagcac 240  
 aggaccagc ttggcgttgt cctgcagcag ctctcccagg agcttgggtg agatgggtgag 300  
 gaagtcacag ccggccagtg ctttgatctc gcccggttg cggaaggagg cgcccatgac 360  
 aatggttttg tagctaaact tc 382

<210> 1220

<211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 1220  
 tcgacctcct tgaagcagac caagtatagc aagcctctaa aaggactact gagaaacaga 60  
 atcagaaact ctagaactct agttagggcc cttcagcagg gctgcagagc ctccctggat 120  
 acccagg 127

<210> 1221  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 1221  
 ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60  
 gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgccca acagggctcc 120  
 agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180  
 gctaactagc agggacccct gcaagtgttg gtcgggggcc tcgggctgcc tgagctgaca 240  
 cgaggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac 300  
 ttgg 304

<210> 1222  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<400> 1222  
 ctgtcgcact cgtagctgca actcaactcaa cttgtcttta gcagcaattt ctgcatagtc 60  
 attggcatgt tcacctacct ggatgtccgg gtgaactctc agcatgcctc cagcaaagag 120  
 ggagaacttg gtggaattgg agtgaagaca gatctggtgc tcaccagggg tatgggaagt 180  
 gaaagtgaac ctgccctcgg agccatactg ccggggccagg atgaccttgt cctctgggtc 240  
 ctccacctcc acaaacatgc caagccccgg ggtggccggc tgggtactct cccgctgctt 300  
 gtcatacag 309

<210> 1223  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 1223  
 cctggcctgg gagccctgtg cctactagaa gcacattaga ttatccattc actgacagaa 60  
 caggtctttt ttgggtcctt cttctccacc acgatatact tgcagtcctc cttcttgaag 120  
 attcttttggc agttgtcttt gtcataaccc acaggtgtag aaacaagggt gcaacatgaa 180  
 atctctgttt cgtagcaagt gcatgtctca cagttgtcag tctgccactc cgagtttatt 240  
 ggtgttttgtt tcctttgaga tccatgcatt tcttggttga atctcctgga actccctcat 300  
 taggtatgaa atagcatgat gcattgcata aagtcacgaa ggtggcaaag atcacaacgc 360  
 tgcccaggag aacattcatt gtgataagca 390

<210> 1224  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

1007442007



<400> 1224  
 ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60  
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120  
 ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccacgc ctaccagcaa 180  
 taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240  
 gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300  
 ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccaggac 360  
 tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

<210> 1225  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<400> 1225  
 ctgcagcttt gggcattttt ctttttaatt attcttcctc tgactttgta tcccttaata 60  
 cctacactct ccaattgtaa gagaaagggg gcagggaagc aatatagctt ccattctaag 120  
 gctgtattcc cgttatgaat tactagctga ttacagttca gagcattgat cctggaatgt 180  
 gtgctggaga aatttaaaat actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240  
 agttgaacag 250

<210> 1226  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 427  
 <223> n = A,T,C or G

<400> 1226  
 cctttaggct gttgctctgg gcaggggggtg ggggtgcggg ggcttacagt gggggccctt 60  
 agttggcaca gggtcggaag ggccccaggc agacatgaat tctcctgaga cttgaggtag 120  
 gttgcttcag ccagcccggg cggagaagaa gggcagagag cgaacatagg agtccagtcg 180  
 ggagcgaaag agctcacttt gcacagtttg gccagcggg cacaggggat tcttcaccac 240  
 cagctccaca tacagcgcac tgtagatgtg gtgcagcaca tctcggatgg gtcccacgcc 300  
 caagtcagta ttcatgacaa ctttgatccc agtgggcgtc tcgtagtaat ggagtttgta 360  
 acggctagtt tggaaggcca ggaagccatc cttcatgtct agcggggaca tcttgctgac 420  
 aaacgancgg atagagaaga gcat 444

<210> 1227  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<400> 1227  
 gttagcctta catgttgtgt agacttactt taagtttgca cccttgaaat gtgtcatatc 60  
 aatttctgga ttcataatag caagattagc aaaggataaa tgccgaaggc cacttcattc 120  
 tggacacagt tggatcaata ctgattaagt agaaaatcca agctttgctt gagaactttt 180  
 gtaacgtgga gagtaaaaag tatcggtttt attctttgct gatgtccttt ctgcttgaaa 240  
 taacagtcac catacagcta aaggagagga gtttctttcc ttctaagtag gcagaaatgg 300  
 tatcattatg ttgcgcgtct ccaatctccc agagctcgct ctctagagaa tcaccttctt 360  
 tcgctttttt tttttttttg aggtagagtc tcactatgtt gccagacta gccttgaact 420

TCGTCCTGTT TAGAGTTGGA

cctgggctca agtgattctc cctcctcagc ctcccagagta gctggaacga actatagttg 480  
caccactgca g 491

<210> 1228  
<211> 279  
<212> DNA  
<213> Homo sapiens

<400> 1228  
ctgggcgat ctgatcaact aggcaacatc atgtccggat atgagttcat caacaagttg 60  
actggagaag atgtatttgg aatcacggtt cctctaatta caagtacaac tggagcaaag 120  
ctgggaaagt ctgctggcaa tgctgtttgg ctaaacagag ataagacatc tccatttgaa 180  
ttgtatcaat tctttgtcag gcaaccggac gattcagtgg aaaggtacct gaagctgttc 240  
actttcctac cccttccaga gattgatcat atcatgcag 279

<210> 1229  
<211> 199  
<212> DNA  
<213> Homo sapiens

<400> 1229  
cgcccgaggt ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg 60  
cggaagccag cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct 120  
gcaggcgcat aggtgccaaa tcccaggaca ggcatagaagt gaccatcatt cagcttcaca 180  
cactgatatt tcgaatcca 199

<210> 1230  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 9, 12  
<223> n = A,T,C or G

<400> 1230  
ctgcattgnt gnggaattca caactactca ggctgggaaa atacagattg gttcaaagaa 60  
acaaaaaacc agagtgtccc tcttagctgc tgcagagaga ctgccagcaa ttgtaatggc 120  
agcctggccc acccttccga cctctatgct gaggggtgtg aggctctagt agtgaagaag 180  
ctacaagaaa tcatgatgca tgtgatctgg gccgcactgg catttgcagc tattcag 237

<210> 1231  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 1231  
ctggagggtgc ctgagaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60  
ccagggatcc tggagtcaaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120  
gggtagccgc agtccaccct gtccttggct ggcacggcac actggtttgc agacaggccc 180  
acgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240  
gctctggcag ccatgaccac cgtgggctcc gggacgc 277

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<400> 1235
ctgcaccttn gggcntnttt ctttttaatt attcttcctc tgactttgta tcccttaata 60
cctacactct ccaattgtaa gagaaagggg qcagggaagc aatatnctt ccattctaag 120
```

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<210> 1236
<211> 154
<212> DNA
<213> Homo sapiens
```

```
<210> 1237
<211> 375
<212> DNA
<213> Homo sapiens
```

```
<210> 1238
<211> 454
<212> DNA
<213> Homo sapiens
```

```
<210> 1239
<211> 483
<212> DNA
<213> Homo sapiens
```

<400> 1239							
ctgccagggt	gaaaagaagc	ctcagctccc	acaccgccct	cctcacccgc	cttcctcggg	60	
agtcacttcc	actggtggac	cacgggcccc	cagccctgtg	tcggccttgt	ctgtctcagc	120	
tcaaccacag	tctgacacca	gagcccaatt	ccatctcttc	tggtgtgagg	cacagcgagg	180	
gcgacatctg	gaggagctct	gcagcctcca	cacctaccac	gacctccagg	ggctgggctc	240	
agcaaaaaacc	agccactgct	ttacaggaca	gggggttgaa	gctgagcccc	gcctcacacc	300	

```

caccgccatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa 360
taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattggt aagttaagct 420
ttttcaaaaa atcagcaatt cccagcgta gtcaaggggtg gacactgcac gctctggcat 480
gat 483

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<210> 1240
<211> 358
<212> DNA
<213> Homo sapiens

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<400> 1240
cctttatgga tgaaagtacc cagtgccttc agaaggtgtc agtacagctc ggaaagagaa 60
gcatgcaaca attagatccc tcaccagctc gaaaactggt gaagcttcag ctacagaacc 120
cacctgccat acatggatct ggatctggat cttgtcagtg actttatgag agtttctgcc 180
acaaggtgcc caagaggaga ggaatgggaa gagtgcccca gcacgtggtg actgcgatgat 240
ttctgctcra tgcctttmts atamstgacc acactgasgg cgaattmcag cacactggcg 300
gccgttacta gtggatccga gctcgggtacc aagcttggcg taatcatggt catagctg 358

```

```

<210> 1241
<211> 194
<212> DNA
<213> Homo sapiens

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```

<400> 1241
ccaaagggttc gtaatgcat ctctgcacca atctcctccc ccatagcaat aagggcaatc 60
cccagaacag ccaactccctg atgtgctccc atgtcagcag gggcttcctt cttgtccttg 120
tctttctttt ccttcttgtc tttgtcttcc tcttctctt tggagtcaaa gtgttcgcta 180
caaatgtgga gcag 194

```

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<210> 1242
<211> 316
<212> DNA
<213> Homo sapiens

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<400> 1242
ccttggtctc actgccctct aagggaactt ggtcactcgg cacttttaag cctcagtttc 60
tccagttcaa taataaggac aagagctttt cccatgcatt ctctttccc gggaaagtgt 120
actgaggtga ccagtaatag aattgaaaag ggagagtgtc ttcagtgcaa tgtggcatcc 180
tggattgggt cttggaacaa aaacaggaca ttagtgggaa aattggaaat ctgaaaaaag 240
tctgaatttt agttaatata ccaatttcag tctcttgggt ttgacagatg taccatgggt 300
atgtaagatg ttgacc 316

```

```

<210> 1243
<211> 275
<212> DNA
<213> Homo sapiens

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```

<400> 1243
aaaaggggtga tgaaagtatt atgtataata ttataatggt aaatatgtga tatgaatttg 60
ttgaaatcaa cagaatatac agcataaagg gttaattcca attcacaaaa atataaataa 120
ataggagatt aggaattcca ggatagaatg cagacaatat agaaaatatc taatgtcatt 180
acaaatgtat gaaatcagaa gaggtgccaa gtgacctcag aaatagtgtg gtcaataaaa 240
gaataaagaa agtgcacgtc agaactgtac cccag 275

```

<210> 1244  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 1244  
 ctgctgctgct tggataacaa gtaattcaac gcacgcactt aacagaaatg ttaaactata 60  
 acaagcacca tttgaggatt aacaggaaca tttttttgaa gatttcaaac gaactcgact 120  
 ttcagtataa ttgtacctaa agtattttata aacagctcat cggagcctct atttgtcata 180  
 gactttttgag ttgattgttg ggaccacata ataggacccat tttttttttg tcttt 235

<210> 1245  
 <211> 640  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 565  
 <223> n = A,T,C or G

<400> 1245  
 ctgatgatgt tccacaaaag agcaaaacat acacaatctg gttccactct acagaaatcc 60  
 tggaaactgga ctacaaaggg aatagacagg gtgtggcagg aggggggttcc tcacgggttg 120  
 agtgcgaggt tagggacagg aatagaaggy aggtaataaa cattcatgtg gtattaacag 180  
 ggcagatgtg tcaatrtatt tscaagttta gcataatata ggtataaaaa ttaaataaaa 240  
 atagtttaka tgtgtgtgta tatatgggtt aatacacacac acatacctcc tagagtcatt 300  
 acctgagagg ttctacaaga aaagacagca aattaacaaa aaatacaccc agaatcaaga 360  
 tttgagtttt ggttcctttc atagcagaat ggtatgcaac atttcttga aaaatggcta 420  
 atcctagggc ttggaaagag aatataggag taaagtctac aatttctcat ggtacccaga 480  
 aaataagaaa gggttccaaa atgaagaatc gtccttttg caaaccttat ggtaacaaat 540  
 ataataattta taaaaagtga attangtaat atgttaatgg agaaataaac atcattatga 600  
 aatgctatct taacaaaaaa targagaaaa twttagtttt 640

<210> 1246  
 <211> 509  
 <212> DNA  
 <213> Homo sapiens

<400> 1246  
 aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60  
 aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120  
 cttcccaact atcattccca tggteccaaa taaatttttag aatctagtcc catccccttc 180  
 ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag ttttaaggaca 240  
 cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300  
 aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360  
 aatgacctca atactgtcaa gtgcacctac ttaataaaaag ttttagaaca aggcacaata 420  
 cacttgaaaa tctattgcac tttaggaaat ttttgccgtc ttcctatgcc actgtaaaaa 480  
 gatggagcgt tttgatcacc gcattctgg 509

<210> 1247  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1247

```

catatgtgga actattcttg gaaagtctac aaagtgaat ctatcgagtt atttctcatt 60
tgcaaagtga tcctttgagt ctttctcat aatctataat ctgaatgtta atactgatat 120
ttttaaaagc cctacatccc aacagaccag gccatctaga tatttcagcg tgggtgtctca 180
ggatgagtaa acaaacagct aaaaatatat gacttatgta aactagagtt acaggagtta 240
ctagcttttc tgaaagggat atattctaag tttttttct taaaaaaaaa aaaarggggg 300
gggggggggtt                                     310

```

&lt;210&gt; 1248

&lt;211&gt; 640

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 604

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1248

```

aaagatataa aactatggag aaaactgcta aagggtatcc ctgaccttta tgatgatgca 60
gctattttcg aggccaaaaa atcattttac tgggcaagaa aaacatctca ttcctttgtc 120
gtgaatatcc ttgctcaggc tctttatgaa ttattttctg ccacagatga ttccctgcat 180
caactaagaa aagcctgttt tctttatttc aaacttgggtg gcgaatgtgt tgcgggtcct 240
gttgggctgc tttctgtatt gtctcctaac cctctagttt taattggaca cttctttgct 300
gttgcaatct atgccgtgta tttttgcttt aagtcagaac cttggattac aaaacctcga 360
gcccttctca gtagtggtgc tgtattgtac aaagcgtggt ctgtaatatt tcctctaatt 420
tactcagaaa tgaagtatat ggttcattaa gcttaaaggga gaaccatttg tgaatgaata 480
tttggaactt accaagtcct aagagacttt tggaagagga tatatatagc atagtaccat 540
accacttata aagtggaaac tcttggaacca agatttggat taatttgttt ttgaagtttt 600
tggnatataa atatgtaaat acatgcttta attgcaattt                                     640

```

&lt;210&gt; 1249

&lt;211&gt; 1108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 527

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1249

```

caaaataaat ttcaattcaa tgaaaagtaa ataacttagg gatctataaa tgacactgca 60
atgtatcttg ttccattttt aacaggaagt ctttcatgca aatgtgtgag tctcccagga 120
tgcatgaagc tccagccttt tcgtggtgac tcaatagagc aattgtacct tacaaatktg 180
caaccacctc cctgaaagtc ttctcccacg ttattaagtg caatgyttat ggtaaagtga 240
gaagcatcat gatgaggacg aagagaacgc tgtcgttcag gggagtattt tactacaaaa 300
ttcagtagtg caaatccctt cgtataatag cctgcaaaga ctttcagtgt aactgggtgca 360
atgaactccc ggataaaatg aagccatata ttctccagat caacttgctt catgtggata 420
tcatcagttg ggacattttc ataaccacca gatatacggc tatcatgatg tttttcccca 480
gaccatttgc cgtaatgttc ctttcttctt accaattcat cacaggncct tttcagaaaa 540
tatggggaac cmaaaagaca tctggacagg gctgttcaam ctatatattc agtgaaaatc 600
tttgaataat ccmcggttta tatacttttc cttccagtc acaggatttt caaaaatctg 660

```

```

ccagagggtca ttgttataat gggaagtatt gtaattagca gtggataata gccttcctaaa 720
ttcatgtcta ttagaaatgt acataaatac accctttggg gggctgagca tttggaatgt 780
ttccggagta ggggagtcct tttccctttg taaagtcatt tctctagcat ttcggcaaag 840
agccatatca ggatccagtt tatcacgaac aaaatagctc ctttcattca tctctgatcg 900
gagtgtcttt cctttaatta agtacacatt agccatatat gggacattcc atactcctac 960
tctattccct tgaacaatat ccacataatc ttcagatcgt gcatagtatc catcaggact 1020
caatgctccc cagaaattgg accacagctt tccatgacga gttacaagag gagcaatgat 1080
ctttctgttt tgttcaatca aaattttt 1108

```

<210> 1250

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1250

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ctgaatattg aactggaagc agcacatcat taggcctttat gactgggtgt gtgtttgtgtg 60
tatgtaatac ataatgttta ttgtacagat gtgtgggggtt tgtgttttat gatacattac 120
agccaaatta tttgtttggt tatggacata ctgccctttc attttttttc ttttcagtg 180
tttaggtgat ctcaaattag gaaatgcatt taaccatgta aaagatgagt gctaaagtaa 240
gcttttttag gccctttgcc aataggtagt cattcaatct ggtattgatc ttttcacaaa 300
taacagaact gagaaacttt tatatataac tgatgatcac ataaaacaga tttgcataaa 360
attaccatga ttgctttatg tttatatatta acttgtattt ttgtacaaac aagatttgtgt 420
aagatatatt tgaagtttca gtgatttaac agtctttcca acttttcatg atttttatga 480
gcacagactt tcaagaaaat acttgaaaat aaattacatt gccttttgtc cattaatcag 540
caaataaaaac atggccttaa ctaaaaa 567

```

<210> 1251

<211> 655

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 161, 175, 193, 200, 211, 212, 223, 228, 324, 396, 518, 546, 559, 565, 571, 584, 597, 601, 610, 613, 622, 639

<223> n = A,T,C or G

<400> 1251

```

gaaagaaacc aatttaatgc caccaaaccat aagcctgcta tacctgggaa acaaaaaatc 60
tcacacctaa attctagcag agtaaacgat tccaactaga atgtactgta tatccatagt 120
gcacatttat gactttgtaa tatgtaattc ataatacagg nntaagggtgt gtggnatgga 180
gctaggaaaa ccnaaggagn aggaaattat nnaaaagaac tgnaggtnaa gtataaagtc 240
atatgcctga tttcctcaaa ccttttggtt ttccctcatg cttctggctt tatattttta 300
tcacaaacca agatctaaca gggntctttc tagaggatta ttagataagt aacacttgat 360
cattaagcac ggatcatgcc actcattcat ggggtgntcta tgttccatga actctaatag 420
cccaacttat acatggcact ccaaggggat gcttcagcca gaaagtaaaag ggctgaaaaa 480
gtagaacaat acaaaagccc tcgtgtgggg ggaactgngg gctcactctt acttggcctt 540
cattcnaaac aggttgggnc tttcntgcga ngatctctca gggnggtaaa aactttntgg 600
ntttcaacan aanaggtttg gntgaatgat tactcggcng acacctaagg gatcc 655

```

<210> 1252

<211> 672

<212> DNA

<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> 4, 653  
 <223> n = A,T,C or G

<400> 1252  
 aaantgcaaa aaccacagaag accaataatt ctgaaacttg gcatgagtgt gcccagtcag 60  
 cagcttgcaa agagaggatg tgtcagttac tacaattgct gtactccttt agctgagtc 120  
 ttcaactttc tccttcttgc cagtaaatac tacgttgtaa ttcataatgac tgagatctta 180  
 gtatcacagg attttttagct cccatgcctc cttcaaaatt gtttacatgg atttgtttct 240  
 attctctgta ggccatattc caaacacatt cacttctaaa tccaacacaa gtgaaggacc 300  
 agccaggatg aaacacttca gcaatcattt tggtaaaaat aacatcctgg tcatcaagct 360  
 aagcataagc acctcttgta taacaattca tcttaaaagc ttaaagtaca ataataaaaa 420  
 taactgcctg aaaactggaa atgaaatata acagaaaaac tgaagcatta gtaatttttg 480  
 caagtaacc aggtacagta catttgattt catagagggt gttttctgat gtttaaggag 540  
 agggtagaag gggtaggaaa acttggcaag gaagatggaa acagcacaa cagttatttt 600  
 gcttttaata aagtaaatgt aatgacagga gtagggagggt gacaaacaca tcnatatata 660  
 tttttcttat gg 672

<210> 1253  
 <211> 644  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 578, 582  
 <223> n = A,T,C or G

<400> 1253  
 ccaaataattt gttagaaact tctggtaact tagatggctt ggaatacaag ttacatgatt 60  
 ttggctacag aggagtctct tcccaagaga ctgctggcat aggagcatct gctcacttgg 120  
 ttaacttcaa aggaacagat acagtagcag gacttgctct aattaaaaaa tattatggaa 180  
 cgaaagatcc tgttccaggc tattctgttc cagcagcaga acacagtacc ataacagctt 240  
 gggggaaaga ccatgaaaaa gatgcttttg aacatattgt aacacagttt tcatcagtcg 300  
 ctgtatctgt ggtcagcgat agctatgaca tttataatgc gtgtgagaaa tatgggggtga 360  
 agatctaaga catttaatag tatcgagaag tacacagaca ccactaataa tcagacctga 420  
 ttctggaaac cctcttgaca ctgtgttaaa ggttttggag attttaggta agaagtttcc 480  
 tgttactgag aactcaaagg gttacaagtt gctgcccacc ttatcttaga gttattcaag 540  
 gggatggagt agatattaat accttacaac gagattgnag anggcattgaa acaaaaaatg 600  
 yggactattg aaaatattgc cttcgttctg gcggagggtt gctc 644

<210> 1254  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<400> 1254  
 aaagggcatt tgaggggagg attattgcta tgaatgaaaa aaatatttta gcttagacta 60  
 agctacctgc cttcaaaata gtttagggac caccaccata ttttattttg tttttatttt 120  
 tgaacatttt tctaattgatt tggagagaaa actatttaca aaaattccac atatcagtga 180  
 tacaatttct tgctgtcacc aattttttat aatagcagag tggcctgttc taagaaggcc 240  
 atatttttta agttatcttt cagggttaaca tggaaatact ataaagttgg atgtcaaact 300

ttaatatggtt ttcagtgttc tctaattttt tggaattttt gtagacttta cacctggaaa 360  
 aaaagatttg taaaatcacc ggaacaattg tgtgctttat tttataggta gtgggttatta 420  
 gtattacatc cccatttt 438

<210> 1255  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<400> 1255  
 caagcacagg ggagtttata gttctgatgt ctttgacatt ttccctggaa cataccaaac 60  
 cctagaaatg tttccaagaa cacctggaat ttggttactc cactgccatg tgaccgacca 120  
 cattcatgct ggaatggaaa ccacttacac cgttctacaa aatgaagcat cttctgagac 180  
 tcacaggaga atatggaatg tgatctaccc aatcacagtc agtgtgatta ttttattcca 240  
 aatatctacc aaggaatgac caggagaata agatcctccg atgttcgcaa tgggtgtggtg 300  
 tcaggaggct gcctcttaga caatctccag atgtactgtg atgtgagttt gaaaaagagt 360  
 tcctgaagta ccacatctgg gagacatgcc actagctgag cttcccaaaa gtctaccaag 420  
 agctgaggaa ttgtatcttc atccttagca caaagcacct taaaaacagt aaaaggagcc 480  
 tctatattcc agataaatat agcactgata aagcgacag 519

<210> 1256  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 1256  
 ccatgcagga gttcatgac ctcccagtcg gtgcagcaaa cttcaggga gccatgcgca 60  
 ttggagcaga ggtttaccac aacctgaaga atgtcatcaa ggagaaatat gggaaagatg 120  
 ccaccaatgt gggggatgaa ggcgggtttg ctcccaacat cctggagaat aaagaagg 178

<210> 1257  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 1257  
 ggggtccactt gctgccccat cattgtatca ccttccttca atcttttggc tgccactctc 60  
 atgtagggat ccacggtgag gaacaaagct tcaagcagga cctctccatt ttttaagggt 120  
 gggagctcag atgtcttcaa ctcaaagtca ctattagtag gatagccaac aaagtgcttc 180  
 ttcagggtcc atgtcttagt acgaaccatc ctgaagctca ggagcccgaa ggttccactg 240  
 cctggggaag gcggc 255

<210> 1258  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<400> 1258  
 aaaactaaaa gcatcactgc tgaactccag ctcagtcttc ccattttata atgaggactc 60  
 tgaagtttat agagggtcaag gacttgtcca aagcttttaga tatgtagtgt ctgtgccctt 120  
 ttctcttaag tttctcctag agaatgtggg ggctcaggaa cagagaaaat aaggtgcaaa 180  
 aagtagaaat ggggtggtgtt tctcaaagtg tgggtccatct gcatcctagt gactggggtg 240  
 cttgttaaaa tgcagattgc tgggccttat cccaatctga ccaaatcatc tcaggatcta 300  
 ccttttgaac aaacttgcct aggtcaaatt cactcttgtg gaagtttaag tacttcagaa 360

```

acaagacagc cacagaaggt gcacctgcta atttgggtggc ttccagtgcc tcatctgtaa 420
otttctggtga aatcctgaga tgtcttactt tacattgttt acatcccata acattccaac 480
atthagaaat tcaactgagc ttatttttct tacttggtta gcactaaatg aaaatagctc 540
cctgaagtta aggagtttat atacagtaat tcatgcaagt gtgtaaatta aacagatgac 600
tttccccct aatatctaata gcacagcaag 630

```

```

<210> 1259
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<400> 1259
aaaattttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caacttttcag gccacagttt tgaaggctctg aagtattaag ttggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

```

```

<210> 1260
<211> 115
<212> DNA
<213> Homo sapiens

```

```

<400> 1260
aaaaatacta taatttcaaa acttccaaat ttcaacagat gccagtgttc tctccttttt 60
tcatatggga aaatttcttt caaaattatt tgacgcttgg acaaaaattc cacag 115

```

```

<210> 1261
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<400> 1261
aaaatattgt ttatctttat ttattttgtg gtaatatagt aagttttttt agaagacaat 60
tttcataact tgataaatta tagttttgtt tgttagaaaa gttgctctta aaagatgtaa 120
atagatgaca aacgatgtaa ataattttgt aagaggcctc aaaatgttta tacgtggaaa 180
cacacctaca tgaaaagcag aaatcggttg ctgttttgc tttttttccc tcttattttt 240
gtattgtggt catttcctat gcaaataatg gagcaaacag 280

```

```

<210> 1262
<211> 144
<212> DNA
<213> Homo sapiens

```

```

<400> 1262
aaattatttg atgagttcca cttgtatcat ggccatcccg aggagaagag gagtttggtta 60
actgggccta tgtagtagcc tcattttacca tcgwtgtgat tactgaccac atatgcttgt 120
cactgggaaa gaagcctggt tcag 144

```

```

<210> 1263
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<400> 1263
aaacatcttg ataatttggt gttgagagct gttcattcta aaatgtaatg aaattcagtc 60

```

```

tagttctgct gataaagatc atcagttttg aaaggttact gattttcctc ttccctctta 120
gttttttacc caatatatgg agaagagtaa tggatcaatct taacattttg ttttaattgt 180
ttaataaagc tgctgggcag tggatgcagca ttctaccta gtgtcataaa agcaaaatac 240
ttacatagct ttcttaaaat ataggaatga cattacattt ttaggagaaa gtaagttgct 300
ttgcaccgcc tacttaattc ttttccatat attgtgatac aaacttttga atatggaatc 360
ttactatttg aatagaaatg tgtatgtata atatacatc atacataagc atatatgtgt 420
gtgtgtgtgt gtatatatat atatatgcat gctgtgaaac ttgactacac aacataaatc 480
acttttt 487

```

<210> 1264

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1264

```

ctgcttcaac agagtggcag caaccaagct ggagtccaag cccctgata aaaggcagcc 60
aatccttctg tctgtcatca aacgtttctt tacagcatta ttaaaaagga tcctgaggtt 120
gttcttcaca gtttctatct caaaacctgg aaagagtttc tccacattgt catagagggc 180
gtgcaggggt tcatcccgac agtgatgata ttttaaccatt tccacggatg caactttgcc 240
atttggttt 250

```

<210> 1265

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1265

```

aaatatttgt tccaaccttt ttctgttggtg gcatttatgg ctttggagca ctgtcaggcc 60
catgttcatt accgtgagct cctgtgcac tcttaatttc caaactagcc tggaaaacgc 120
ctccattgac catgattggt tcatggtcct gtgcatggaa catcatatgt tcagggagat 180
aaagaactct gatagtggca cctgggtaaa aagtacaatc cattatatct ggatatcaag 240
atcttttgca gttgaagaga ggtattgcc cagagaaaat tataggagca gaagaaagtc 300
aatgaaagtc aatgatgaca ctccattagg aaccagaaag atggtattta tttatacata 360
taataggtgt aagagattag aggaagcctg tcac 394

```

<210> 1266

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1266

```

ccacagttgt atcatatagc atctctaaca tttcatctag gattatctag tatagatctt 60
actatatattg gggctatgtt gtatacaatg ttaacaagaa catatcttct ctgcatatat 120
gtgtgaatta taaagaaaag catgagaatg actctaagtt caacaaacat gggatgaatct 180
ctatgtgctc ccagtgtcct ggatgggctc cccagcaagc cattcctcc 229

```

<210> 1267

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 658

<223> n = A,T,C or G

<400> 1267

```

aaatcttata aacttttccaa attttccatac taaaatatat tattgtatta atacaaacta 60
cagtattata cactacactg tgtaataaat aaagaaatat aaaaataaga cacataaata 120
taaaagtttt ctaaaactaa aagtacatat gtcagtaaga agggatttaa tactgccagg 180
tttgaagaca tacagtacaa aaatgttgca cagatctata aactaaaaga aataaaataa 240
tactgatagg taaaaatcag ctaatgttgt taataaattg ggtccataat aactaacatt 300
tggaacacagt tatgagccaa ataacaatag catgtccatg tctgaaatgc aagtacatgg 360
ataaagcaga ttagaaaatt tccctttcgt ttctgtagag aaattctgaa aatcaatcaa 420
cataaaatca ataccgagga attgaaggat gaaatgtccc agtgtttcag tttctctgac 480
agagtcagtg gttttaagtt ttatttgagg attttgatac aagagacaaa tcaacaaatg 540
ctagttattg taggccacac attggatgaa ggcgggtag agccttgaaa atactgagaa 600
atggcactta cagcacacag gtcttgctta agggcaaagg agatacaaaag cttcatgnca 660
tattcttcat atggtaccac atattcaaac accatcccaa cactgatctg atgattttgc 720
tg 722

```

<210> 1268

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1268

```

gatgacacaa gcagctaata accattttctg ggtttctgcc taaccccta attgtctgtt 60
aaagccaatt ctctgggtgt cccagttagt ggtggctttt tttctttcca cattggcaca 120
ttcactttct ccaactcttg catgtaagaa ataagcattt acataattgg aaaaatctgg 180
atttctgatg ccaaagggtt aaagcttctt ggatttcatt tcattgatat acagccacta 240
ttttattttt gatcagtggc ctttgggcca ctgttcaggg tactgaccat cagtgtcagc 300
attagggttt tgggttttgt ttcttttggt tatttctttt ttggcacatg tgaatcttgt 360
tttgtgtaaa atgaaattac tttctcttgt tctctgatga tgggttt 407

```

<210> 1269

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 613, 629, 643

<223> n = A,T,C or G

<400> 1269

```

ctgaaaaaga gtgatcctca atatcctaac taactggtcc tcaactcaag cagagtttct 60
tactctggc actgtgatca tgaaacttag tagaggggat tgtgtgtatt ttatacaaat 120
ttaatacaat gtcttacatt gataaaattc ttaaagagca aaactgcatt ttatttctgc 180
atccacattc caatcatatt agaactaaga tatttatcta tgaagatata aatgggtgcag 240
agagactttc atctgtggat tgcgttgttt cttagggttc ctagactga tgcctgcaca 300
agcatgtgat atgtgaaata aaatggattc ttctatagct aaatgagttc cctctgggga 360
gagttctggt actgcaatca caatgccaga tgggtgtttat gggctatttg tgtaagtaag 420
tggttaagat ctatgaagta agtgtgtttg ttttcatctt atggaaactc ttgatgcag 480
tgcttttgta tggaataaat tttggtgcaa tatgatgtca ttcaactttg cattgaattg 540
aaattttggg tggatttata tgtattatac cctgtcacgc ttctagtgtc ttcaaccatt 600
tataccattt tgnacatatt tttacttgna aatatttacc tgncccggcc ggccgtcgaa 660
agggcgaaat tcaac 675

```

<210> 1270  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 1270  
 ccatacctggg cggagctaaa gttgcagaca agatccagct catcaataat atgctggaca 60  
 aagtcaatga gatgattatt ggtggtggaa tggcttttac cttccttaag gtgctcaaca 120  
 acatggagat tggcacttct ctgtttgatg aagagggagc caagattgtc aaagacctaa 180  
 tgtccaaagc tgagaagaat ggtgtgaaga ttaccttgcc tgttgacttt gtcactgctg 240  
 acaagtttga tgagaatgcc aagactgg 268

<210> 1271  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 1271  
 cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat 60  
 ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg 120  
 tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag 180  
 tggacaataa cacatggaat aatacccata tttctcgagt agggcaggca atggcgctcca 240  
 cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggctcattt 300  
 ttggagg 307

<210> 1272  
 <211> 798  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 613, 619, 703, 726, 773  
 <223> n = A,T,C or G

<400> 1272  
 ccattgctag aaattgaatc acaaataata gctaataatt tttcattttt caaaaaagat 60  
 catttgata gcagctatgt ataaaatgga aaataaaaaa ttattctatt ttgcatgaat 120  
 agttcagact ttcccatacc acagccaagc agtaactaaa attaggatct taattttcaa 180  
 tgataaaaagg tctaagggttc atttaattat gtccttttaa cactgtcttt ctagattttt 240  
 caccagtat tttcaaaatt tgggaatgta aacaattgat atattttattg tatgtttggct 300  
 agcagttcat ctttctgcaa aatatgcatt cagagaaatg tgaagcttgt tttaatgaag 360  
 acttaaacca tttgtgtcat ttgtgttttc atattcaaat acaccaaatt aaaatttctga 420  
 acctatattt ttcattcatta acttccta ataccagaac atataccttt ttcattgtaa 480  
 gttggcaatg ggatatggca gttttatttt tgaaaaatat gtaacatgac tttaatattt 540  
 ttatagtttt cagaattaga aacataggaa gggaaaatgt ttttaattaga taagtcaact 600  
 ttttatgggc tgnagtggng actataatag caaattataa agcattatta aatgggtata 660  
 ataattttta tattacctca ttatgaatta actaaaataa agnggagtga tatttttaat 720  
 ggggtntcat actggagctc ctgagatata tgattttgcta ttgactcact ggntgattga 780  
 ataatatatt actcgagg 798

<210> 1273  
 <211> 664

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 623  
<223> n = A,T,C or G

<400> 1273  
 aaaatatacc ttttcacagg tagcaagaaa tagtacatgt aataagtctt tatgactgga 60  
 atgatccaga aatatcacaa agcatgagta aacacatata taaaagtagc tcatcatttc 120  
 caaaagttaa ccttttagcct ttgtgtaaaa taaatggtgc caacaatctt tataatgtag 180  
 caagctttcc ctgtttaata tccaaaaaat ggagggtggg gaggttgaag aaaaataaga 240  
 aaagttagca aataagatag tgaaaagacc aatgcagaga aaagtttatg taatcaaact 300  
 ttgctttgtc tccacattat cacattttta gtggataaat ttatgtaaac agaaaaagat 360  
 gtccacaaaa ccatatctat agatgtcatt tggaagcatc aagaaattga taagtatgtg 420  
 gtgaattaaa attactttta taatgttttg ctttcattaa tgtttgttat tgcaaaaatg 480  
 taagatttcc tacaattttg tcttcaaact ccaatctagc ctttcaaact tttatccagg 540  
 ttctccagaa tatttgaggat ctttgttatc aaagcacaag gaaagctggc attcattatc 600  
 agacttcgct gctttacaat ganttcaaact catttcatga tacaataaaa gtgcctctga 660  
 ctgg 664

<210> 1274  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 1274  
 ccacaataaa gtttacttgt aaaatttttag aggccattac tccaattatg ttgcacgtac 60  
 actcattgta caggcgtgga gactcattgt atgtataaga atattctgac agtgagtgac 120  
 ccggagtctc tgggtgtaccc tcttaccagt cag 153

<210> 1275  
<211> 504  
<212> DNA  
<213> Homo sapiens

<400> 1275  
 aaaattctga taaaaattta ctcaattaca ttttatacat taatatttag tgaatttgct 60  
 caaaaaggct atgtttaatt tatgtgtaaa aataacaaaa gatgtatcag tcagtctctg 120  
 ggcaataaga aaggaagaaa gccttgctag aaataataaa taatctcacg caaaaggcca 180  
 ggtgacataa gaatactaca ataatacaata tgttttcttt gtattttacaa taaaatccat 240  
 ctgttaacac tgtgatagaa aaaataatca gtccacatca tgtaataaaa acaggctttg 300  
 aggatgatta tacctcttat aataaaaaca tacaaggatt tctcacagct aaagtacttt 360  
 tcaactttga caactaatga cagtcattggg tgaaggtaaa actgacagag tacttttagat 420  
 cagctatgtc ctacagtcaa ggaatcaagg gcattaccca tttaccaagc agcaaaaagc 480  
 actttcattt ttccagaact attt 504

<210> 1276  
<211> 533  
<212> DNA  
<213> Homo sapiens

<400> 1276

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<211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 1280  
 aaacacatac gaagaaatca actgtgatta tgaagtggca gccagctaaa tatgtcttgt 60  
 atttgctctc ttcctttttt tgcctaactc atcctttact tccattcctg cttccatggt 120  
 aatgcaggct caaataaatt actaggatac aagattactt caagcctctt ttctgtggaa 180  
 ctcataatat gataagcatt tgttacaaga ttgcctgtag ttgtttaggg gataaattat 240  
 attagggaaa gaaagtcttt ctttagttgg ttaaattttc tattataatt gggactaaa 300  
 tttattt 307

<210> 1281  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 1281  
 aaaatatattt aatagttaca tagcacttta gtttgctgat ttaatttatc ccaagggaca 60  
 aggatgttaa tgagaaaact gactagattt cagatcacag attttaagag aacaaggatc 120  
 tcaaaaccaa ataccctctg cttaaagtgt tttttgtgtt tttcactact gaaaatgttt 180  
 agagattgac ttacctattg ctgatactca aaacatctga tatcttaata ttttt 235

<210> 1282  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 194  
 <223> n = A,T,C or G

<400> 1282  
 aaagaatttc tttataagat tkactgtmta agattaatag cattcgaaga tccccagact 60  
 tcatagaata ctcaaggaaa gcattttacct csgtcgctga ccackctarg ggcsawggcc 120  
 agcacactgg cggccgttac tagtggatcc gagctcggta ccaagcttgg cgtaatcatg 180  
 gtcatactctg attnctgtga ggtaccagat tgcctgtagt tgtttagggg 230

<210> 1283  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<400> 1283  
 aaacacaaca gctataaacc tgaacacata tgctatcatc atgccataag actaaaacaa 60  
 ttatattttag cgacaagtag aaaggattaa atagtcaaat acaagaatga aaaacgcagt 120  
 acatagtgtc gcgaactcaa atcggcattt agatagatcc agtggtttta acggcacggt 180  
 tttgcttata aaaaaagtgc aaaaaagatg tggtttaca gttaaagcta cagaatccct 240  
 ttttgctgta attgcaccag ttttaaagcc tctggacaga gcagtatttc gtttaaaact 300  
 ttgttyttct taaaagctta cagtgttttg ctaattctcc tcyccttttt acaagacggg 360  
 ggccggaggg tggacactgg tggcagggtta agggatactg tcactttaag aagcctgcag 420  
 attgaagtgt aaacatggag aaattagggg ctgatttttt aaactgtgtg agatattaac 480  
 cagccgccct gttataaaat caggaaatcc aaacagcgat ttacaccgat taacaccccc 540

```

tttatatatt ttttacaaaa atacactgag aaaataatca aacgttttca tctctcttgt 600
ctttttttgt tttttaaaag tgtcaaaagt ctacattt 638

```

```

<210> 1284
<211> 745
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 715
<223> n = A,T,C or G

```

```

<400> 1284
cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttttga 60
atttacacca agaacttctc aataaaaagaa aatcatgaat gctccacaat ttcaacatac 120
cacaagagaa gttaatttct taacattgtg ttctatgatt atttgtaaga ccttcaccaa 180
gttctgatat cttttaaaga catagttcaa aattgctttt gaaaatctgt attcttgaaa 240
atatccttgt tgtgtattag gtttttaaata accagctaaa ggattacctc actgagtcac 300
cagtacccct ctattcagct ccccaagatg atgtgttttt gcttacccta agagagggtt 360
tcttcttatt tttagataat tcaagtgcct agataaatta tgttttcttt aagtgtttat 420
ggtaaaactct tttaaagaaa atttaatatg ttatagctga atcttttttg taactttaaa 480
tctttatcat agactctgta catatgttca aattagctgc ttgcctgatg tgtgtatcat 540
cgggtgggatg acagaacaaa catatttatg atcatgaata atgtgctttg taaaaagatt 600
tcaagttatt aggaagcata ctctgttttt taatcatgta taatattcca tgatactttt 660
atagaacaat tctggcttca ggaaagtcta gaagcaatat ttcttcaaat aaaanggggt 720
taaactttta aaaaaaaaaa aaaaa 745

```

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<210> 1285
<211> 190
<212> DNA
<213> Homo sapiens

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```

<400> 1285
cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttatta 60
atagtaatca attacggggt cattagttca tagcccatat atggagttcc gcgttacata 120
acttacggta aatggcgcgc accgcgggtg agctccagct tttgttcctt ttagtgaggg 180
ttaattgcgc 190

```

```

<210> 1286
<211> 153
<212> DNA
<213> Homo sapiens

```

```

<400> 1286
ctgcatcttt ctacaattct accagcaata tatgagggtt acaatttctc yccatctttg 60
tgaacgcttg ttagagctct tcctcttttc ttccattctg tgggttggtt tttactttc 120
taaatggtag aaccttcaaa gcacaaaggt ttt 153

```

```

<210> 1287
<211> 232
<212> DNA
<213> Homo sapiens

```

```
<210> 1288
<211> 90
<212> DNA
<213> Homo sapiens
```

```
<210> 1289
<211> 670
<212> DNA
<213> Homo sapiens
```

```
<210> 1290
<211> 352
<212> DNA
<213> Homo sapiens
```

```
<210> 1291
<211> 99
<212> DNA
<213> Homo sapiens
```

<400> 1291  
aaaaattatt taagqtaatg gtattacgaa tggtttaaaa atgtctggtg acttgcttat 60

99

<211> 295

<212> DNA

<213> Homo sapiens

aaatataacct	ttattttctca	aactcaaagc	tttatcaagt	tctaacacat	tttgcattga	60
caagtgattt	tatctgcac	aagtaagggt	agtgaccacc	acgaaagagg	aatccccaga	120
cctctagggc	actaagaaat	attttcaaag	ctatgcaaat	atagaacaaa	aagctttcaa	180
ttttagtctaa	ttgggtatcta	tttttcatct	atattaattt	ggaaataagt	tgctacctta	240
gaaaaattac	atttttatcc	attaaaaata	aacaccagat	agqttgaqgt	ttttt	295

<211> 256

<212> DNA

<213> Homo sapiens

agattcactt	caaagtgaaa	atgacaacac	atctcaagaa	actcaaagaa	tcatactgtc	60
aaagacaggg	tgttccaatg	aattcactca	ggtttctctt	tgagggtcag	agaattgctg	120
ataatcatac	tccaaaggaa	ctgggaatgg	aggaagaaga	tgtgattgaa	gtttatcagg	180
aacaaacggg	gggtcattca	acagttttaga	tgttcttttt	attttttttc	ttttccctca	240
atcctttttt	atctttt					256

$\langle 211 \rangle$  90

<212> DNA

<213> Homo sapiens

aaaataacttta gctttatttaa agacatggta ctaaaaaataa cagattccaa catttgctct 60  
atttctacttt atatatcata aataagacag 90

<211> 519

<212> DNA

<213> Homo sapiens

ctgtcgcttt	atcagtgcta	tatttatctg	gaatatagag	gctcctttta	ctgttttttaa	60
ggtgctttgt	gctaaggatg	aagatacaat	tcctcagctc	ttggtagact	tttggaagc	120
tcagctagtg	gcatgtctcc	cagatgtggt	acttcaggaa	ctctttttca	aactcacatc	180
acagtacatc	tggagattgt	ctaagaggca	gcctcctgac	accacaccat	tggaacatc	240
ggaggatctt	attctcctgg	tcatttcctt	gtagatattt	ggaataaaat	aatcacactg	300
actgtgattg	ggtagatcac	attccatatt	ctcctgtgag	tctcagaaga	tgcttcattt	360
tgtagaacgg	tgtaagtgg	ttccattcca	gcatgaatgt	ggtcggtcac	atggcagtg	420
agtaacccaa	ttccagggtg	tcttggaaac	atttctagg	tttggtatgt	tccaggga	480
atgtcaaaga	catcagaact	ataaactccc	ctgtgcttg			519

<211> 419

<212> DNA

<400> 1296

<210> 1297

<212> DNA

<400> 1297

<210> 1298

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

 $\langle 222 \rangle$  437,  $\bar{4}56$ , 467

<223> n = A, T, C or G

<400> 1298

<210> 1299

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1299

aaagtccatc	tttgcaaatt	atacgttgct	ataaatacat	tgtgtatttg	gcattatgtg	60
aatttgttta	atccagtgtc	aatttgtctaa	tgggtctaaag	tgtccatttg	aagttataat	120
ctggatgaac	tgaacaataa	gagaagttct	cttcattatgc	ccaatttgttt	atcacctcaat	180
tctactactct	gccactgggt	tcttccacct	tctctctggag	aacataaaga	gattcttagat	240
ctctgtataaa	ggtggtttgc	tttagccttga	aatcatcagt	gaqgattata	catqqqcaat	300

gtccagaaat cacattattg ctcatagacc gtgtagtctt gatctaacgg ataactgtac 360  
attgtcttca ctaagaagct aggggtggtg tccttgatat tgggacattg tagacttgg 419

<210> 1300

<211> 182

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 3, 5'

<223> n = A,T,C or G

<400> 1300

contngaatt gtgtgcatag ggaagcactc acccaatgag actttctcca atgtggactc 60  
tgtgtgtcag ggaatgaatg tagaaaaatt cactttggag ggttatcac tcaactagta 120  
agaagcatta atattattaa agtgaagaaa ctgcagagaa aattacagaa caaaactgta 180  
gg 182

<210> 1301

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1301

aaagttttta tctctgctga ggcttcacat ctgtttgctc aattttatctt ttatttcaat 60  
ccttgagcat gtttataata tagtagtata cccttattgt ggctttactt tcctcacttt 120  
cagtcaccca cagtcaaaaa atatgaaata taaaactcca gaagtaaaca gtttataaat 180  
tttaagtcac actttgttct gaggaatgtg atgcaacctc ccgccattct gctgtatcca 240  
gttcaggatg tgacataccc ctttgctcag cagatacaca attcctgctt cctgctcatt 300  
agacatttgc ag 312

<210> 1302

<211> 109

<212> DNA

<213> Homo sapiens

<400> 1302

attccttagat tatatgtgtc catcttttga gctttctgag agtaatttta tttgttgtct 60  
tctgaaatgt acatgtatac atgtacctac tgagtgtat gtgattttt 109

<210> 1303

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1303

ccagagttac ttggatcagc atttaggaaa gtaaaatata gtggaagtaa aactgactca 60  
tccaactaga cattctacag aaagaaaaat gcattattga cgaactggct acagtaccat 120  
gcctctcagc cagcccgtgt gtataatatg aagaccaaata gatagaactg tactgttttc 180  
tgggccagtg agccagaaat tgattaaggc tttcttttgg aggtaaatct agagtttata 240  
cagtgtacat gtacatagta aagtattttt gattaacaat gtatttttaac aacatatcta 300  
aagtcacat gaactggctt gtacattttt 330

<210> 1304  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<400> 1304  
 ccactgtagt ctgcatatcc ctgtccatat ccatagttcc catagttata ccaggtataa 60  
 tcatatccgc catagccact atagttttga tcaccacccat aggcactatt gtaatttcca 120  
 tatccttgat cataatagtt attaaatcct tggttccagt tttggccctg 170

<210> 1305  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<400> 1305  
 aaaaataaat atttatactc cagcttttgt gtatttggtg tacatcacca cttatgcaaa 60  
 tcaaggatca gaaaactgga ggtagccat ctccattatt tccttttgca cattgggtac 120  
 agtgggtggc attagtagtc actagctgca aagtcacagc accttatgga aataagtagt 180  
 tttattataa taaaaaaaag ttaagctgca tctctgtaga ttatttactt tgcagactgt 240  
 aaagctgccc tatcttttcc agcagaattt actcttccat tcttaattct tttttgaaat 300  
 atcttaaata atttaacatt cctttataac ttcttaacag tgtcaaaact ggggtagaag 360  
 ggatttttatt ttttcccaaa agggttccat ctttgctatc tgttgatcag ccttagaaaa 420  
 tctaagtagt atcaataaat tttaatgggt gatggcatcc tgtgtcag 468

<210> 1306  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<400> 1306  
 tggtaaagaa ctacctgtta atgcacaaaa ctatgtgcga tttattgaag atgagcttca 60  
 aattccagtt aagtggattg gtgttggtta atccagagaa tctatgattc aactctttta 120  
 atgattgccca gtaatgcaag aaacactcct tgagagggag gggaaaagac tttcttaaat 180  
 atttcattta tgacctgcaa attcaagaat aaagacactg aagtaagttt gaagccctac 240  
 agytgtttcc agtcttttca gatggatgcc tactgtggag attaactttg gcatattcca 300  
 gtgtcagctt tctttagctg gaattg 326

<210> 1307  
 <211> 614  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 294, 442, 458, 465, 580, 592, 609  
 <223> n = A,T,C or G

<400> 1307  
 aaaaattatt actgtaagaa atagttttat aaaaaattat atttttattc agtaatttaa 60  
 ttttgtaaat gccaaatgaa aaacgttttt tgctgctatg gtcttagcct gtagacatgc 120  
 tgctagtatc agaggggag tagagcttgg acagaaagaa aagaaacttg gtgttaggta 180  
 attgactatg cactagtact tcagactttt taattttata tatatatata ttttttttcc 240  
 ttctgcaata catttgaaaa cttgtttggg agactctgca ttttttattg cggntttttt 300

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gttattgttg gtttatacaa gcatgcgttg cacttctttt ttgggagatg cgygtytgyt 360
gatgttctat gttttgtttt gagtgtaggc tgactgtttt ataatttggg gagttctgca 420
tttgatccgc atcccctgtg gnttctaaag gggatgggcc tcagnaactg ttgcatggat 480
cctgtgtttg caactgggga ggacagaaac tgggggtgat agccagtcct gccttaagaa 540
catttgatgc aaagaatggg accctgcccc ggggccgggn cccctccgaa anggggggga 600
aatccang cacc 614

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<210> 1308
<211> 304
<212> DNA
<213> Homo sapiens

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<400> 1308
ctgtcttttg gaggacgtac gtaataaggt tttaatttag taaaccaatc ctatgcatag 60
tttcagcact agccaaacct caccaactcc tagttctaga aaaacaggca cttggcagcc 120
ttgtgatgtc atacagagaa gtcacaggca gtacctgagg gtctgtaggt tgcacacttt 180
ggtagcagat aacttttttt ttctttataa gaaagcctga gtactccaca ctgcacaata 240
actcctccca gggttttaac tttgttttat tttcaaaacc aggtccaatg agctttctga 300
gcag 304

```

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<210> 1309
<211> 289
<212> DNA
<213> Homo sapiens

```

```

<400> 1309
gggatttcca attaacagta ttaccagata aatattcttg gtccaagcag aaaatatcaa 60
caaaaagagc cttcttctcc tgtaaattctt aaatgcctac atcactcttt atgatacatg 120
gatcatctta tgtggatact taaatttttc atgtctgctt cttttgcctc tcccaactat 180
actatgagga aattcggaac aaagacattt ttgtaattatt tcttatctcc ttcacaccta 240
gtatagagct gattttataa aggcatttaa gagatatttg aattgattt 289

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```

<210> 1310
<211> 534
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> 480, 490
<223> n = A,T,C or G

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<400> 1310
tgctttgcat tttctgatgt attacatgac tgtttctttt gtaaagagaa tcaactaggt 60
atttaagact gataatttta caatttatat gcttcacata gcatgtcaac ttttgactaa 120
gaattttggt ttactttttt aacatgtggt aaacagagaa aggggtccatg aaggaaagtg 180
tatgagttgc atttgtaaaa atgagacttt ttcagtggaa ctctaaacct tgtgatgact 240
actaacaat gtaaaattat gagtgattaa gaaaacattg ctttgtgggt atcactttta 300
gytttgacac ctagattata gtcttagtaa tagcatccac tggaaaaggt gaaaatgttt 360
tattcagcat ttaacttaca tttgtacttt agagtatttt tgtataaaat ccatagattt 420
attttacatt tagagtattt acactattga taaagtttgt aaataatttt ctaagacagn 480
ttttatatan gctacagggt gccctgattt tcttattgaa tttgggttaga ctag 534

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<210> 1311

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1007454001



<211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 1311  
 aaaatttgta ggagttgtag actacctaaa tttttaagtt atggyatttg gtcataagggtt 60  
 gactgggtag gtaaagaagg aaacagacaa gaaaatggct tcttgagggtg gcag 114

<210> 1312  
 <211> 95  
 <212> DNA  
 <213> Homo sapiens

<400> 1312  
 gggcgggtaa aggtaggccg cgagagcgag gttaggagag gataggaggc cgaggtactg 60  
 ctcacacgct ccgctcttct cccactctcg actct 95

<210> 1313  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<400> 1313  
 aaatgataca gtatttttagg tatgatttaa gactatgatt tacctataca ttatatatat 60  
 ttataaaaga tactaaacca gcataccctt actctgccag agtagtgaag ctaattaaac 120  
 acgtttggtt tctgaataaa ttgaactaaa tccaaactat ttcttaaaat cacaggacat 180  
 taaggaccaaa tagcatctgt gccagagatg tactgttatt agctgggaag accaattcta 240  
 acagcaaata acagtctgag actcctcata cctcagtggt tagaagcatg tctctcttga 300  
 gctacagtag aggggaaggg attgttgtgt agtcaagtca ccatgctgaa tgtacactga 360  
 ttcttttatg atgactgctt aactccccac tgccgtgtcc agagaggctt tccaatgtag 420  
 ctcagtaatt cctgttactt tacagacagg aaagtccag aaactttaag aacaaactct 480  
 gaaagaccta tgagcaaatg ggctgaatac tttttttt 519

<210> 1314  
 <211> 518  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 247, 270, 329, 357, 419, 440, 498  
 <223> n = A,T,C or G

<400> 1314  
 ccatggtggg tgaagacgct gatctgccct gtcacctggg gttttttatg agtgcagaga 60  
 ccaggagct gaggaaccc gagytccagc ctaaggcagg tgggtgaacgt gtatgcagat 120  
 ggaaaggaag tggaagacag gcagagtga cgcgtatcgag ggagaacttc gattctgcgg 180  
 gatggcatca ctgcagggaa ggctgctctc cgaatacaca acgtcacagc ctctgacagt 240  
 ggaaagnact tgtgttattt ccaagatggn gacttctacg aaaaagccct ggtggagctg 300  
 aagggttgag gtgagcctcc aggttttgnt ctgagaacac ttctctgtag gatctanagc 360  
 agatgcagag tccctcttcc aaaagtactg cagacactcc tggtctgctc ctagcaatng 420  
 tctgcactgc ctcccaactn agcttctctg caacccttaa gaaagacaca ttctttcttt 480  
 agaaagaatt cctgctgnac cttacatgcc gaagtaaa 518

<210> 1315  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<400> 1315  
 tctgtgcatc caatttatta tagwtttgta agtaacaata tgtaatcaaa cttctagggtg 60  
 acttgagagt ggaacctcct atatcattat ttagcaccgt ttgtgacagt aaccatttca 120  
 gtgtattgtt tattatacca cttatatcaa cttatttttc accagkataa watcttratt 180  
 tytacgacct atcattctga atcaagmaca ctgtatgttc agtaggttga actatgaaca 240  
 ctgtcatcaa tgttcagttc aaaagcctga aagtttagat ctagaagctg gtaaaaatga 300  
 caatatcaat cacattaggg gaaccattgt tgtcttcact taatccattt agcactattt 360

<210> 1316  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 1316  
 aaaaaacacg tttgttatta ccaaawagag acggcttttag gtaaaaataa taaaaaccct 60  
 ttgcttgyat tacytatgca ratagttsta tttatctggw cwacgggyta aaggyacagy 120  
 actataggwc tctggcttga gtmittacgt tcatctctta ttgctggaat ktcatttttc 180  
 ttcttgttgg atgactaaac cggatgatgg tagagatggg aagccggcat ttactcagcc 240  
 ccgcctctgt cagcctcggg agcggacgaa ttctcag 277

<210> 1317  
 <211> 716  
 <212> DNA  
 <213> Homo sapiens

<400> 1317  
 aaaatgttct cttgagacta gtaggcatag aagaaagcag aaggaaaata aatagaaaga 60  
 aggtcttcta cttcatggc tattcagggt caggagggtg gagagaaaaa gaaggaggac 120  
 aaatgaacaa gacagatgag ggagacatcc tctctgatat aagatacagt cctctctggg 180  
 ggatggagtc caatttgtgt aacttctctat gtatttttct agataggacc accactattt 240  
 gagaaaatat ctcactggta acctaaagcc aaggataata aaccttgata tacttaacat 300  
 tcaatttctt tccagcaatg tgataaataa atctatcttg tgtttctctt gcagattgta 360  
 aaagcattag aacatttaca tagtaagctg tctgtcattc acagaggtaa gcatccatga 420  
 gctgccttgg ctgttccttt gataaagttc atctctttca cctggagtcc gtctctaccc 480  
 ccagtcccc atgggtggaa gtagaattga ctacaggcaag agaactaagg ggcttttctt 540  
 tgagattgga tagcaaacca tataagtagt attccttata atggctgagg acataagaag 600  
 aagacgtgat ctttgtctta catccaaatt gaataataac acttggtagc aagcagagct 660  
 atgagatcat atcattgaga attttagaga atatgataaa aattgatctt gtctgg 716

<210> 1318  
 <211> 515  
 <212> DNA  
 <213> Homo sapiens

<400> 1318  
 aaagctgtat catgttgagt aaacctgacc tgagccagcg gtttaaggcg attttgctcg 60  
 atgaaggcca agacgtgaac ccggtcattg ccgacttggg aaggatacag cgcactctgca 120  
 aagtaaccgt cggcgaccct caccagcaga tttaccgttt ccgtgggtgcc gaagacgctc 180

```

tcaacagcga ttggatggcc gatgcagagc gtcactacct gacccagagc tttcgcttcg 240
gtccagcagt cgcgcagtgt gctaacatca tactttttta caagggtgaa actcgaaagc 300
tgcaagggtt agggcccaaa acccagggtta aacgtgctgt tcctgaagac ctaccgcatc 360
gcacatacat ccattgcacg gttaccggcg tcatagagaa cgcgcttagc ttggtagcga 420
gcaatccaaa gatctatttg gtaggtggca tgcacagtta ttcattgcgc gacctggaag 480
acttgtatct gttcagccgc aaccaaaacc aagcc 515

```

<210> 1319

<211> 141

<212> DNA

<213> Homo sapiens

<400> 1319

```

aaatttagtg tctcatttgg aaataaaactc tgggcctatt agttgttgag tatttttttt 60
ttttactacc taaaaaaaga tttgttaaga gctgaattac aacttagcat tacataatat 120
aaaacactgt aatgtgtatt t 141

```

<210> 1320

<211> 497

<212> DNA

<213> Homo sapiens

<400> 1320

```

aaattcagtc ctaagaaaga ggagtgcttg tcccctaagg gtgtttaatg gcaaggcagc 60
cctgtctgaa ggacacttcc tgcctaaggg agagtggtat ttgcagacta gaattctagt 120
gctgctgaag atgaatcaat gggaaatact actcctgtaa ttcctacctc cctgcaacca 180
actacaacca agctctctgc atctactccc aagtatgggg ttcaagagag taatgggttt 240
catattttct atcaccacag taagtctcta ctaggcaaaa tgagagggca gtgtttcctt 300
tttggtactt attactgcta agtatttccc agcacatgaa accttatttt ttcccaaagc 360
cagaaccaga tgagtaaagg agtaagaacc ttgcctgaac atccttcctt cccacccatc 420
gctgtgtgtt agttcccaac atcgaatgtg tacaacttaa gttggtcctt tacactcagg 480
ctttcactat ttccctt 497

```

<210> 1321

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1321

```

ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgaccagc catcctgaat 120
gtcctctatg gccagacga cccacccatt tccccctcat acacctatta ccgtccagg 180
gtgaacctca gcctctcctg ccattgcagc tctaaccac ctgcacagta ttcttggtg 240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

```

<210> 1322

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1322

```

ccaccacata gccagccagg aatcccttga ggaacgggga ggacaacagc gagccaccct 60
ggcccaactcc actgttgact tcgtcttcta cagcgcgctg caggctttcc 110

```

<210> 1323  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<400> 1323  
 ccacgctgct ggcctgggct ggcgtctcct gctgtgagct ggctgaggag gacttcctgg 60  
 cggtctcccc cttagatccg cgctatcgtg aggtccacta tgcctgctg gatccttcct 120  
 gcagtggctc ggggtgagatg gtgagaaggc gtggctgagg gactcagagg tccacagcag 180  
 cttagacctg gagtcattctg ttttggtctt agttctgaca ctttaatggg cttgggaccc 240  
 tggagcaaaa gttctcctct gtgaagcgag gatttcagga gcgaggattt caggactgag 300  
 gcagcctgtg aagctgtgta accgagacac gcttttcctt aggtatgccg agcagacag 359

<210> 1324  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 1324  
 caatcacaca accacaaaaa agatactgtg tgctctcact ttccaaaatt ctgcctgggc 60  
 tmctcctgag gaaagyagtg atatggtagc tgggtggtgat cccctaaagg aattataaga 120  
 tggartgyga rgaacattat cttagactat aakactgkct gcatrcrgat atgktstera 180  
 agattattcc tgctgcraat aaagakmttg skaaagagca rtatasagct atcacagtct 240  
 attgacccam asatgttt 258

<210> 1325  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<400> 1325  
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cacagcaagc 60  
 tacaaatgtg aaaccacagaa cccagttagt gccaggcgca gtgattcagt catcctgaat 120  
 gtcctctatg gcccggatgc ccccaccatt tcccctctaa acacatctta cagatcaggg 180  
 gaaaatctga acctctcctg ccacgcagcc tctaaccac ctgcacagta ctcttggttt 240  
 gtcaatggga ctttccagca atccacccaa gagctcttta tcccacacat cactgtgaat 300  
 aatagtggat cctatacgtg ccaagcccat aactcagaca ctggcctcaa taggaccaca 360  
 gtcacgacga tcacagtcta tgcagagcca cccaaaccct tcatcaccag caacaactcc 420  
 aaccccgtagg aggatgagga tgctgtagcc ttaacctgtg aacctgagat tcagaacaca 480  
 acctacctgt ggtgggtaaa taatcagagc ctcccggcca gtcccaggct gcag 534

<210> 1326  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 1326  
 ctgcattatg tgtgttttaga acgagaagtt gtttgtacag tatttttcta ttgaccgctt 60  
 ccgtcttgcc tgaaacctgg gcattctttc caatagacag aaaatcagag agtcaaatct 120  
 gatgcgcaat gagttgttct gagaccagta atccacgggtg ctgcaatttg ggttttt 177

<210> 1327  
 <211> 266

<212> DNA  
<213> Homo sapiens

<400> 1327  
aaacttgttt tatctaatac tgagcactgt ttttttgtca agtatttttt taagaccaca 60  
taattctttt tgtctgctca aggaaaggat agataaataa ttggcacaca ttgttttctc 120  
actgaatttt acagtagtaa attaagtta taatgtacca catggagatg agttggtaag 180  
aatcatcta gttccagagc ccagggatta taaacagtag gtgaaataga tttatgactt 240  
acgaaatatg ttgtgacaat atattt 266

<210> 1328  
<211> 409  
<212> DNA  
<213> Homo sapiens

<400> 1328  
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60  
tatgtatgtg gaatccagaa ctcaagtgtg gcaaaccgca gtgacccagt caccctggat 120  
gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcgga 180  
gcgaacctca acctctctg ccactcggcc tctaaccat ccccgagta ttcttggcgt 240  
atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaat 300  
aataacggga cctatgcctg ttttgtctct aacttggcta ctggccgcaa taatcccata 360  
gtcaagagca tcacagtctc tgcactctgga acttctcctg gtctctcag 409

<210> 1329  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 1329  
ccattttcgc acagtccacc ataaaattga aaagattgac cagagacaga tcatggaggg 60  
cttggcaatc tgtactgatg aagccatgga ccagaagaga agtgagtcaa tgaagagagt 120  
ttctcttttc acatgg 136

<210> 1330  
<211> 311  
<212> DNA  
<213> Homo sapiens

<400> 1330  
ctgctaacag ccctaacggt gcaacacaag taaaaactca ggaacctctt cgactgccac 60  
gcccttcacc aacagaagga agacagtggc gccaccacaa gtggcagggc acaggggctt 120  
ctgtgacaac aatatgtcct tctagtatac attcattgca aaggctgcc tgaagtttcg 180  
tttttgaaa taactgttat catacatttt gtatgatgtt gcttgtgggc accatgaaga 240  
gagcctggct gtaaaggaca gagggagcta aaccaacaat gcatggccct gcgtgcccac 300  
aagagggagc c 311

<210> 1331  
<211> 613  
<212> DNA  
<213> Homo sapiens

<400> 1331  
ctggggcagk agctgtgccc ggtgcctgca gccttcataa gcacacacgt ccattcccta 60



```

tatcttaata tatccccgaa ctggtttagga tagatacaaa tagattttttt ataataaaaa 120
attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180
gccatggggt ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240
gcatagtttc actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300
agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360
agggacccga gcaagaactt tcag                                     384

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<210> 1335
<211> 555
<212> DNA
<213> Homo sapiens

```

```

<400> 1335
aaattagttg ctataaatct atcaatactt tttttcccta ttatatatttt ggttctatta 60
ggatttactt aactgaatct tataacaatt cgaggtgaac tgtggcaatg aaaaccagaa 120
acagttaatg agatgcttca gctcacagtt tgaagtgctg agaacctaa gtttttgctg 180
tacggtactg agctgtacca aaatatgatg gtttaggttt atgtgcaaga ctttgtgttg 240
tagtctagac aaaggggtgg gcaagagaca tgcaaagctg aagccctgct tgaaaagacc 300
cttcaaggaa gtaaaatggc aggggcagag tgcagcttaa catgttgcta tccctgttgt 360
ttttgagttg gttttggaat ggattcaagt tcttacacaa tttattttga atacaagcat 420
aatctaggtg atttgagtta atgaacttct tttcatgatg tagggaaagc tgaatgtata 480
tatttctaag aagaatttgt ttagcagatt acaagttggc aaaatagact gttcacagaa 540
actaggcaaa aattt                                     555

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<210> 1336
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<400> 1336
cctggaaaag agcccagcaa aaggttccag atgaagaaga aaatgaagag agtgacaacg 60
aaaaggaaac tgaaaagagt gactccgtaa cagattctgg accaaccttc aactatcttc 120
ttgatatgcc cctttggtat ttaaccaagg aaaagaaaga tgaactctgc aggctaagaa 180
atgaaaaaga acaagagctg gacacattaa aaagaaagag tccatcagat ttgtggaaag 240
aagacttggc tacatttatt gaagaattgg aggctgttga agccaaggaa aaacaagatg 300
aacaagtcgg acttcctggg aaagggggga aggccaaagg gaaaaaaca caaatggctg 360
aagttttgcc ttctccgctg ggtcaaagag tcattccacg aataaccata gaaatgaaag 420
cagaggcaga aargaaaaat aaaaagaaaa ttaagaatga aaatactgaa ggaagccctc 480
aagaagatgg tgtggaacta gaagg                                     505

```

```

<210> 1337
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 1337
ctggtgctag tcagagctaa tgacagaatt tcagtttaat aaaaagaccc ccaactgagc 60
acaccatctt gaaaaaagta tacttatcaa acagctttca atcagttcaa gagagacacc 120
ttaattgggg agaggaagaa ttgcagagta gtttgtaatc atgccaatc cagatcaata 180
actgcatgtc tgttcttttg tagaaatagc ttttgcttta tattaagtaa tcacatatat 240
attctctcta tttggataag gaaacottcg ctttatttga caatgtataa tgatatactc 300
ttctaattca cctctgtgtc ttcacaataa acatgagtaa aatttagaca agtgatggta 360
aaggtcaata taattattta ttttt                                     385

```

<210> 1338  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 1338  
 aaaggtgata ttacacaaaa cctcgtcttt tgttcaactt tggatccatt ggcaattcaa 60  
 tggcctcaat ctcccaaac tcgccaaagt actccctgat cttttcctca gtggcttcag 120  
 gattcagacc cccaacgaag attttcttca ccgggtcctt cttcatagcc atggcctttt 180  
 taggggtcaat gacacggcca tccagcctgt gtccttctg gtctaggacc ttctccacac 240  
 tggctgcata tttgaacagg ataaacccaa accctcttga ccgtccagt ttgggatcca 300  
 tttttattgt acagtcaacg acctctccaa atttagtaaa atagtctttt 350

<210> 1339  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 1339  
 ctgctcctct agtaataagt tcctggggat aatacattaa ccaacattgg ttgaaacata 60  
 cctgagtaat catatcagga tgcattgttaa gctgataaaa caataagatc ccaaaatgca 120  
 gtagctcaaa aaaagtagaa gttaattttat ctctggggg acagctctgg ttctcaaatt 180  
 ttacaggctc agaatcacct gcagggtctg tgaaagtaca gattgctgcg ctccgcccc 240  
 agagtctctg atttagtagg tgtaggctg aaccaagaat ttgcctttct aacaagctcc 300  
 caagtgatgc tgatgacttg taggaatgga tttacttcta ggattagact tcagctcact 360  
 ctgtttgctg aactctttct aatatttctt aagttggtag actcyctgct ccaggttctc 420  
 aacgtgaagg aaggaacccc cag 443

<210> 1340  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 1340  
 cctcaggaac aggtaggggc agcagaatag aatagcatcc atttcccaga gaaagactgc 60  
 ctttacatkt cccatgcttt tagcacaaag cagcgtctgg gccactgtta ccagaggtga 120  
 gtttatacat ttacaaaatg cttaaaatct ttgggaagca agaggaagct aaacagaagg 180  
 tcccatgtta actgaaggca aattcactca acctctctag taagggacct atgggcctac 240  
 agagtgttcc ctctacaatg tgcagagtgg aaa 273

<210> 1341  
 <211> 561  
 <212> DNA  
 <213> Homo sapiens

<400> 1341  
 ccatgggccc ggtcacgaac aaaacgggcc tggacgcctc gcccctggcc gcagatacct 60  
 cctactacca gggggtgtac tcccggccca ttatgaactc ctcttaagaa gacgacggct 120  
 tcaggcccgg ctaactctgg caccgcggat cgaggacaag tgagagagca agtgggggtc 180  
 gagactttgg ggagacggtg ttgcagagac gcaagggaga agaaatccat aacaccccc 240  
 cccaacacc gccaaagacag cagtcttctt caccgcgtgc agccgttccg tcccaaacag 300  
 agggccacac agatacccca cgttctatat aaggaggaaa acgggaaaga atataaagtt 360  
 aaaaaaaagc ctccggtttc cactactgtg tagactcctg cttcttcaag cacctgcaga 420  
 ttctgatttt tttgttgttg ttgttctcct ccattgctgt tgttgacagg aagtcttact 480



taaaaaaaaa aaaaaatttt gtgagtgact cgggtgtaaaa ccatgtagtt ttaacagaac 540  
cagagggttg tactattgtt t 561

<210> 1342  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 1342  
aaagatggca aggcaataaa tgtgttcgtà agtgccaacc gactaattca tcaaaccaac 60  
ttaatacttc agaccttcaa aactgtggcc tgaaagtgtg atatgttaag agatgtactt 120  
ctcagtggca gtattgaact gcctttatct gtaaatttt 159

<210> 1343  
<211> 76  
<212> DNA  
<213> Homo sapiens

<400> 1343  
aaaatgtaaa gccaatctat caccaaaaat ggcatataatg taaacacaag ctaattttat 60  
aatccactgc tatttt 76

<210> 1344  
<211> 726  
<212> DNA  
<213> Homo sapiens

<400> 1344  
caaaagcagc ctgaatacgc aactcacgcc aagagggcag cagctctcct gacatccatg 60  
taagaaggct aacacctaaa ccacacgcag gcatcctgaa ctgagcagct ctgatccaag 120  
gtactgagtg gagacaaagc actcggaggt ggcaagatgt tcagcaacca agtaagacac 180  
actggcaagg catcccaccc aaaggtgaga agcacaaagc aggcttggag aaacaaacag 240  
tcattgccagg tgcagccaga catcctgcta taagccctga ccctagtacc ccgagttcat 300  
caagtgtctct ggtttttgtgt ccataaagca cagagggcac tgaccacccc aaaccagaat 360  
cccaaggaat ccttatggat ggcatagggc ctgagaactg ctgcaggatc attttccttt 420  
tcaggctcgtg gctgaacttg ttcacacctga agagctcact gtcataaaat gcagagaggt 480  
tgtggatgtt gatctgacga gccttatcca ccaagtcctt mtcagggacc tcaatagtgt 540  
cctgctgggc cccaaagcgg ttgcgctgat atgtcacstg ctctgccact aactgcttca 600  
gtatgaagag caacagctca ttgttgtcac gccggaatga aaggtagcgg gcaaaagtct 660  
tgcgcatgct gcgcatgacg ctgaacttct gtgtgtctat gaagstctcc akmatcayga 720  
gratgg 726

<210> 1345  
<211> 742  
<212> DNA  
<213> Homo sapiens

<400> 1345  
ccagagagcc ctgtcctgtg aggggtggtta tcacagtggc agggttcaat tcagaagacc 60  
ttgagggcag gctgatgttt cctgaatggg cccctggttg ttgcttgtcc ctgactctcc 120  
atttcccat ctgagtggat ttggacctaa tagggcactg gagctgggtc gaatcctgac 180  
tggactactt ggcaacttta tgtctgggag caagttactt aacctcccca agcctgtgtc 240  
tgtgaaatgc gggtaaatga atgtagatgt ttggcagcag ctactccttg ttgagctctc 300  
acagtgaact ctctgcctc tgccctcctt cccgcctcc cctgggtgcct agcgtcaggt 360

```

ctagccactt cctcctgggc ccctctccct tttctgtggc tggttgctg cccgcctggc 420
gctggacctt tcatgtaacg ggaatcagca tgtatattct ggtctggtct gtttctacac 480
ttaattttgt ttccagtagt atttccctgt accggcagag ttcacaaaca catttgaaga 540
ggctttttct caggattctt aaccttccaa aggaagtccc atggatgggt ttctagaagt 600
ctataaatgc tctgaaattg ttttttctg tggaaaagca taacttttat ctgcttggtc 660
gtgctcaaaa aaagatcatg aatggaatga attgcattga attttatgcc attgggggct 720
taataactaaa aggatatgga ag                                     742

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```

<210> 1346
<211> 573
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 498, 543
<223> n = A,T,C or G

```

```

<400> 1346
aaatgcattk ttaacttaca gtattttcaa cttacgatgt gtttatcasg aagtaacccc 60
atcataagca gaggagcatc tgtattgcgt aatttgactg gcacagttaa ttaggttctg 120
ttcagtgwtt tccgtcaaca agatgtttat tgtgtgagta aacaagttaa gccctgtgac 180
aagctgaata agaatagtct ctcctcagca gcttatagta aacaagggtgta gtaatcctta 240
cattagtggc tagactatca aacgaaatat ataacatgta agaacactaa agacagaatt 300
actgtggcat agagatagtt agaattgctt cagcctaaga gatgaattag gtaatgcaag 360
gagggtgaata tggtggcctg caatatgaac aaggcagaga gctgggagag taagatgtaa 420
gttgctaagg agggatgtgt cttgagtttg gaaaccataa agggaaatca taggtaatgc 480
tagagtcact gatcttangg agccttgaat aacggtgatg actaagggaa tcttttatttt 540
ggnngggacta ttggaattaa attggccaga att                                     573

```

```

<210> 1347
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<400> 1347
cctggtttct ggtggcctct atgaatccca tgtaggggtgc agaccgtact ccatccctcc 60
ctgtgagcac cacgtcaacg gctcccggcc cccatgcacg ggggagggag ataccccaaa 120
gtgtagcaag atctgtgagc ctggctacag cccgacctac aaacaggaca agcactacgg 180
atacaattcc tacagcgtct ccaatagcga gaaggacatc atggccgaga tctacaaaaa 240
cggccccgtg gagggagctt tctctgtgta ttcggacttc ctgctctaca agtcaggagt 300
gtaccaacac gtcaccggag agatgatggg tgg                                     333

```

```

<210> 1348
<211> 185
<212> DNA
<213> Homo sapiens

```

```

<400> 1348
aaaaaagctt gcagcaagaa aatgccagtg tgcaactggg tgactaaaga ccaaagaaaa 60
acagttaaaa gggacagctt acttgctctc tgtctcaggt ttaacttctc acctgaaatc 120
tctcatagcc ctaattaaac acaaacaaaa gtctcttcca tagataggct acttctcagc 180
ttcag                                     185

```

<210> 1349  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 1349  
 gcggcagcga ggggctcgga gaggtgctcg gattctcgta gctgtgccgg gacttaacca 60  
 ccaccatgtc gagcaaaaga acaaagacca agaccaagaa gcgccctcag cgtgcaacat 120  
 ccaatgtgtt tgctatgttt gaccagtcac agattcagga gttcaaagag g 171

<210> 1350  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 1350  
 ttgtcatatc atatctatgt cacctgtgta ttctgagatt acacacatac ctgccaatat 60  
 acctgggaaa ggttatttta tcacagttac acttgagttc ttggcaggca ggactgagga 120  
 agagtaatth gaaagaagtt ttacatccta tttagaagaa atcactagta tttccttaaa 180  
 taacagggtta caatagaaag atactgcctg gaagttatcc tttcactttg gttcattttt 240  
 agttttttctt tatgatttac atagctgttt aattcatttg cttatagtac aatcctgcca 300  
 taaagtatta aagcacaaga tacctattat tccttcaaca tctgcatttt tcaagtttta 360  
 tactctacat ccacagtagc tcagcagttc ttgaatgttt 400

<210> 1351  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<400> 1351  
 ccaggaaagg gcagtcctga gggagaagac aggattcagg gcagtgctcc gaagctgtgt 60  
 gctcacctgg ttggctcatc aaacctggca accctgtggc ctgtctgccg gagctgactg 120  
 gatccactca tcaattcttc gtccccacta ctaagactgg gcatgttttg ctgggtgtgg 180  
 ctctgcactt caggaatggg cacaacaggg ggtagccctc aaaagcactc ctttttctat 240  
 acctcttctc aaggccatgt aagttgccc tctctacctg gctgtggaca aaagggttatc 300  
 tgctcttgg 309

<210> 1352  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 1352  
 ccacttcac tgtgtgggaa cgtggtcagg ccgggtgctg gtgtttgaca tcccagcaaa 60  
 ggggtcccaac attgtactga gcgaggagct ggctgggcac cagatgccaa tcacagacat 120  
 tgccaccgag cctgcccagg gacaggattg tgtggctgac atgggtgacgg cagatgactc 180  
 aggcttgctg tgtgtctggc ggtcaggggc agaattcaca ttattgacct gcattccagg 240  
 atttgaggtt ccgtgcccct ctgtgcag 268

<210> 1353  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

1507541050

<220>  
 <221> misc\_feature  
 <222> 545  
 <223> n = A,T,C or G

<400> 1353  
 cctgagtaat tattccatca tagacaaact tgtgaatata gtggatgacc ttgtggagtg 60  
 cgtgaaagaa aactcatcta aggatctaaa aaaatcattc aagagcccag agcccaggct 120  
 ctttactcct gaagaattct ttagaatttt taatagatcc attgatgcct tcaaggactt 180  
 tgtagtggca tctgaaacta gtgatttgtt ggtttcttca acattaagtc ctgagaaaaga 240  
 ttccagagtc agtgtcacaa aaccatttat gttacccctt gttgcagcca gctcccttag 300  
 gaatgacagc agtagcagta ataggaaggg caaaaatctc cctggagact ccagcctaca 360  
 ctgggcagcc atggcattgc cagcattggt ttctcttata attggctttg cttttggagc 420  
 cttatactgg aagaagagac agccaagtct tacaagggca gttgaaaata tacaaattaa 480  
 tgaagaggat aatgagataa gtatgttgca agagaaagag agagagtttc aagaagtgtg 540  
 attgnggctt gtatcaacac tgttactttc gtacattggc tgggaacagt catgtttgct 600  
 ttcataaatg aagcagcttt 620

<210> 1354  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 1354  
 aaaggattat ttttatgcaa agtattctgt ttcagcaagt gcaaatttta ttctaagttt 60  
 cagagctcta tatttaattt aggtcaaatg ctttccaaaa agtaatctaa taaatccatt 120  
 ctagaaaaat atatctaaag tattgcttta gaatagttgt tccactttct gctgcagtat 180  
 tgctttgcca tcttctgctc tcagcaaagc tgatagtcta tgtcaattaa ataccctatg 240  
 ttatgtaaat agttatttta tcctgtggtg catgttttggg caaatatata tatagcctga 300  
 taaacaactt ctattaaatc aaatatgtac cacagtgtat gtgtcttttg caagcttcca 360  
 acagggatgt atcctgtatc attcattaaa catagttt 398

<210> 1355  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<400> 1355  
 ctggytcctc agtgggaact gagtcattac ctgctaaagg gtagaagagg agagagagag 60  
 gccagagcct ggggatgggg cagaagggtg agcaggaagg aagggttagag tgagaaaaat 120  
 ttccaaataa ggggtgatgt gtgagtgtc agaggggtgac tgaggacatc tccagcattt 180  
 ccattgagga gggaggaagg aggggccctt ggggttctggg gcagatgccg gcaggggtctg 240  
 gatgagatgc ccccaacctc aacctgtgtc ctctgaaaac acttcaccca gtcacactga 300  
 ggagcccctc caggcccagc ggcccctcca ggtaggcgta tctcagctcc tctctggaag 360  
 gacccccaca g 371

<210> 1356  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 1356  
 gcggcgcggg cggcggtaaa atgtcgggtc caggacctta ccaggcggcc actgggcctt 60  
 cctcagcacc atccgcacct ccattcctatg aagagacagt ggctgttaac agttattacc 120

```

ccacacctcc agctcccatg cctgggccaa ctacggggct tgtgacgggg cctgatggga 180
agggcattgaa tcctccttcg tattataccc agccagcgcc catccccaat aacaatccaa 240
ttaccgtgca gacgggtctac gtgcagcacc ccatcacctt tttggaccgc cctatccaaa 300
tgtgttgtcc ttcttgcaac aagatgatcg tgagtcag 338

```

<210> 1357

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1357

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ctgggctgct gcctctggag tacttccccg cagctcctca ttgctcacat agtaggcaat 60
ggcgttgctc tcaaacacac agaattccat atcaccctca aatgctggga ccttgccggc 120
aggaaatttg cggagaaatt caggggtgcg gttggtttg 159

```

<210> 1358

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1358

```

cctgtcagag tggcactggt agaagttcca ggaaccctga actgtaaggg ttcttcatca 60
gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
atggttgtct gagagagagc ttcttgtcct gtctttttcc ttccaatcag gggctcgctc 180
ttctgattat tcttcagggc aatgacataa attgtatatt cggttcccgc ttccaggcca 240
gtaatagtag cctctgtgac accagggcgg ggccgaggga ccacttctct gggaggagag 300
ccaggc 306

```

<210> 1359

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1359

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agagggagtc cagcccccaa gccttgtgag gcactgttar gcagataggg aaaagagggg 60
tccttagatc actgggttcaa ggagggatct ggtaggggca gcatttcttc tgggctggaa 120
acagaatggg ggtttcaaga tggcagaacc attccattat tggagctata agcccctaga 180
attgtcccat ggccatctct ggtttccctt ggatctcatc tgctoctgaa ctgcacctgt 240
catggcaagt ccatctccgg ccccatctc ccctgagcca atgtgagtca ggtgaacaaa 300
attcattggg tccccaatca tggtcgggtc aatccgtctt ctcttcttct ttcttctcca 360
ccatccagac gttcagctac ag 382

```

<210> 1360

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1360

```

aaaaaacctt tcaaaataaa acttagtaaa atctagaact gkttcttggc ctacttgaga 60
ggaacttcca tattttcaca gccatctccg aaagcagcag ttgctgtaaa ttaactgaga 120
cttgaaaatg gtgcagactg tcttggtaga gctgttctta tagcacaatt ttatctggaa 180
aataaacttg taaatgctg ctgtatatta atacatgtgt gcccatattt atttttatta 240
tctcctgccg gtctttgctc aatgggagat gacagaccaa cttctcaacg tgatttcccc 300
atttcattga atgacattta tatgccactt atgaaaaaaa tactgctgtg aaagaaatgt 360

```

365

<400> 1361						
gaggtatgga	aaaatatcaa	caaggaaata	ttagatttga	actgctgctt	cgtttagcaca	60
cagcacattc	tccaggatat	accatatgtt	aggacacaaa	acgggtctca	ataaattttt	120
aaaagtcaaa	atcttatcaa	gtatcttctc	agaccacaat	ggaataaaac	tggaaatcaa	180
taacaagagg	aacttctgaa	attgaacaga	tacacggaaa	tcaaactaca	tgttcctgaa	240
tgaccactgt	gtctatgaag	aaattgattt	taaaaattta	aaaattcttt	gaaacaaatg	300
aaaatagaaa	cacagcatac	aaaaatgtat	agggtacaac	aaaagaagtg	ctatgaggga	360
cattttattc	aataaacacc	cacatcaata	aggtagaaag	tttttaaaaca	aataacctaa	420
taaacgcatc	tcaaggaaact	agaaaagcaa	gaacaaatca	aacctaaaat	tagaaggaaa	480
taaatagtaa	agatcagagc	ag				502

<400>	1362					
ctgattggat	gtctaggaat	gactgaaaga	aaccaaaca	gctgtccac	tgtgtctgtg	60
ggatggagga	ggcgtaagca	gaaacactaa	cagtatactg	acctcttagc	agaaccgctt	120
ccattctgga	gatcacggct	gctaaatcca	gcattccccc	ttcattttac	cccagcata	180
ttgttctgta	gtctttttctt	gaaacatctt	gattgctttt	cctcggcagc	tttcaaaaaa	240
ccaaataata	atagtttatcc	gtcttctact	tcattggaaga	ttgttttggg	gccctgaccc	300
tctgaagtgc	ccagtttctg	ccatctgaaa	cctcggcctg	atctgatctc	atgttggaat	360
ctgcctgtct	ttcacacagg	gctggctctg	gtcctttaca	tgcagtttt	gcttgtgaat	420
tcttgctttt	ttcctctcat	cagccttaag	tttaggcgtt	tggtgttctc	cagtgatgta	480
gacaggtccc	ttcacaagtc	acagttcttc	ccataaatga	ggcccgcgtga	cctctgcggg	540
acttt						545

```
<400> 1363
gggagatgca ggatgtagac ctgctgagg tgaagccttt ggtggagaaa ggggagacca 60
tcaccggcct cctgcaagag tttgatgtcc aggagcagga catcgagact ttacatggct 120
ctgttcacgt cacgctgtgt gggactccca agggaaaccg gcctgtcatc ctcacctacc 180
atgacatcgg catgaaccac aaaacctgct acaacccctt cttcaactac gaggacatgc 240
aggagatcac ccagcacttt gccgtctgcc acgtggacgc ccctgg      286
```

<400> 1364  
ccatcaggat catgaaaaca aacttttggtg aatgtgagca actgcgccag acaggacaca 60

```

ggttacaggg cctgacgtca ctaacggtaa ctgacaatct tggaatggac cctactgctg 120
atgtttcaaa aggacacaga ggtgaactgg tcaattotaa ttaagaagag ccagtggggg 180
gggggaagct gaaaaccaa aatccacgta gacatacgtg gcagtgtgaa cgtctgtcct 240
ccccttcctt ctctcactt cctctcctcc tctcactca ggctgggtatt ctctgtgtgt 300
gcggatgtca gcttgccctg cagaagggct gccagttttt tagatgtctt tttgagaaac 360
gagctgcccg gatgggact gtacacgtgc aggtacaggt cctcctgggt ggggcccgtg 420
tagccgcaat cctcgagac gtagagcttg tcccgccgct gcttataggc atactgctgc 480
tgcaccccat ggattttctt cag
503

```

<210> 1365

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1365

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ctgggcggct ccacgctcat ccagtgggccc taggttctga ctgaccagcg aacaaaaact 60
gtgacagaga tctaggattt cattcaggca gtgaaacacc taccgggaa acagagttgg 120
cattaggaaa ggaaggaagg tacatccatg aagttaaagt gttaggagaa cagtctgatt 180
aatagctgat ctaattaata gctgacctcc caaatctgac aggatagaca ctgccacgtg 240
caagg
245

```

<210> 1366

<211> 131

<212> DNA

<213> Homo sapiens

<400> 1366

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aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttgata 60
tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
tttagatatt t
131

```

<210> 1367

<211> 430

<212> DNA

<213> Homo sapiens

<400> 1367

```

ctgtgcagtt atatgaccat aaaggaaatg aaccattaaa aatggatcta cagccatata 60
ttctgccgtt actcagaggc ttaatgattt attttcccc tccagccctg cctttaccag 120
gttaaattgac agaagacctt ctattgtacc tattgttcaa aaaatattac tgttctgtgg 180
aacctgggag agtccaattg ataagagaaa ctgaatcata ctgatgaggt gaaggatagg 240
tctgccggtg tggggcaggg cactctttct cagcagccaa gataacttat cacacacgaa 300
gcagagagaa tgcacccgat gaaaatctct ctgaactgtg ttccttgaag gatctcttaa 360
aaaaaaaaaa tctgaaacat catccattga acaaatgaaa ggcttatacc tttaccatga 420
agaaacattt
430

```

<210> 1368

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1368

```

ctgggcggat agcaccgggc atatttttga atggatgagg tctggcaccc tgagcagtc 60
agcgaggact tggcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120

```

gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180  
 ttacagggtt gggaacagct cgtacacttg ccattctctg catatactgg ttagtgagg 240  
 gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg 294

<210> 1369

<211> 429

<212> DNA

<213> Homo sapiens

<400> 1369

ctgaaggcaa tgggggactg aggaaggagg cagcagaagt aggagaggag caagaatcca 60  
 gaagggaat gagaacgaca aaactgaagt gcacttcaac atcctgcagc caaaggggta 120  
 aaaaggagaa agaagtgcag accagtcaca taaatgccac agtgacatgc acaaaaacgt 180  
 gaggggcaca ctccagggac agagtctgac aacatgacaa gctacatggc atcaaactct 240  
 ttcatgtgac aggcagcttt tcacatgtgc atcttaagac tggaacttgc tatagataaa 300  
 ccttaagtag ttaataaaaag caaaagtcac cctctattca ctgtttgctg ccatgttcca 360  
 ggcatagtac ttggcacttt ttattttatt tcacttgatc agctcagaaa gtccctccaa 420  
 tgagtattt 429

<210> 1370

<211> 540

<212> DNA

<213> Homo sapiens

<400> 1370

ccactcccag gatgctgggt ctgctttgct ggctgggacc ccggagccgt cagtccacgc 60  
 actcccgat gcactcaaca acctaaggac gcaggagggt tccggggatg gtccgagctc 120  
 gtccgtagat tggaatcgcc ctgaagatgt agaccctcaa gggatttatg tcatatctgc 180  
 tccttccatc tacgctcggg aggtagcgac gcccttttc ccccgctac aactgggag 240  
 cgctgggcag aggcagcacc tgctttttcc ctacccttcc tcgattctgt ccgtgaaatg 300  
 aattgggtag agtctctgga aggttttaag cccattttca gttctaactt actttcatcc 360  
 tattttgcat ccctottatc gttttgagct acctgccatc ttctctttga aaaacctatg 420  
 ggcttgagga ggtcacgatg ccgactccgc cagagctttt ccactgattg tactcagcgg 480  
 ggaggcaggg gaggcagagg ggcagcctct ctaatgcttc ctactcattt tgtttctagg 540

<210> 1371

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1371

ttaaaatggt agcacaagag tctggcaagt tggtagtca gagaaaaggg gttaattgag 60  
 gcttggttgg agtcgggatt cccctttccc aaacatgcgt ctgcgcaact ggacagcagc 120  
 catttgtagt cgtatacttt tt 142

<210> 1372

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1372

ccaccatctg tgcaagtagc caaaaccact ccttttaaca cgaggagacc tgtgatgctg 60  
 gcctgctatg tgtggggctt ctatccagca gaagtgacta tcacgtggag gaagaacggg 120



```

aagcttggtca tgcctcacag cagtgcgcac aagactgccc agcccaatgg agactggaca 180
taccagaccc tctcccatTT agccttaacc ccctcttacg gggacactta cacctgtgtg 240
gtagagcaca ttggggctcc tgagcccatc cttcgggact ggacacctgg gctgtccccc 300
atgcagaccc tgaaggTTtc tgtgtctgca gtgactctgg gcctgggcct catcatcttc 360
tctcttggtg tgcacag                                     377

```

```

<210> 1373
<211> 504
<212> DNA
<213> Homo sapiens

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```

<400> 1373
ccatgctaag tttgggaacc gctggtgatg ggacatggat gcttgcaacc gaccgtgggc 60
ggatgtgggt gaccagatgg cagaggacga caccatccat gagggctgcc cccaggtctt 120
cgtgcagact gaccttcaat ctcatctcaa tgctctcacg aagttgttcc accagctctt 180
tctcttctct catctgctcc attttcctcc ggattgtaaa ctgcgggtct atagattcca 240
aatttctctg aggtcttaga aacacagact cagaaatcaa atgaggatgt ctcagaaagg 300
agtcactttt ccagaggcag gctgcccctt aactcagccg agcagcagga accactgggg 360
ccaaagctat tttatcttcc ttaggtaaaa aaaaatcaat agaatatTTc ttccccgctt 420
acatgctccc accactgatg aacgcgatct tcagcaagaa gaactttgag tccctctccg 480
aagccttcag cgtggcctct gcag                                     504

```

```

<210> 1374
<211> 201
<212> DNA
<213> Homo sapiens

```

```

<400> 1374
cctccgtaag atgcttgaca attttgactg ttttggagac aaactgtcag atgagtccat 60
cttcagtgtc tttttgtcag ttgtgggcaa gctgcgacgt ggggccaagc ctgagggcaa 120
ggctataata gatgaatttg agcagaagct tcgggcctgt cataccagag gtttgatgg 180
aatcaaggag cttgagattg g                                     201

```

```

<210> 1375
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 12
<223> n = A,T,C or G

```

```

<400> 1375
ctgtgaggct gnttccaagg aggaaaacaa ggaaaaaaat cgatatgtaa acatcttgcc 60
ttatgaccac tctagagTcc acctgacacc ggttgaaggg gttccagatt ctgattacat 120
caatgcttca ttcatcaacg gctaccaaga aaagaacaaa ttcattgctg cacaaggacc 180
aaaagaagaa acggtgaatg atttctggcg gatgatctgg gaacaaaaca cagccaccat 240
cgtcatgggt accaacctga aggagagaaa ggagtgcagg tgcgcccgat actgg      295

```

```

<210> 1376
<211> 318
<212> DNA
<213> Homo sapiens

```

<400> 1376  
ccagcgctac tgtactggcc cagggcagag ttcatgtatc tcgtcttgac cacgtctaca 60  
ggggaggcga tgacagtggg gcagaagcct gcccacaaagg cagaagtga gttggcaagg 120  
aggtcatctg tcatgaggtt ggctttcagg agggcatcct tgatgaggtc ataggtcacc 180  
agctcagcac agttgacaat ggcatcacga gcaacattgg gggagggtcc tttccagagg 240  
ccccggaacc ctctctctcg ggcaatgggc ttgtaggcat tgacgggtgc ttggtatctc 300  
cgaccacctc cagcccgg 318

<210> 1377  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 1377  
gtggattccg ytccggggcac cgatctcgcc aagatcctga gtgacatgcg aagccaatat 60  
gaggtcatgg ccgagcagaa ccggaaggat gctgaagcct gggtcaccag ccggactgaa 120  
gaattgaacc gggagggtcg tgg 143

<210> 1378  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 1378  
aaatattggg aatagggtcg caacagcaac tatagaagta caactcaata gatggcatta 60  
aaacatattg tagtgtggat atatattttt tctttttt 98

<210> 1379  
<211> 330  
<212> DNA  
<213> Homo sapiens

<400> 1379  
aaagatgttc acgttacgct ggaccaaatt aagacggcct tctccctctt gctgacgtgc 60  
cccagccgtg ataatgacca gcttggagtt tgcagttaca ttatagtctt tgccagagac 120  
aatctttggt gttctaagga aaaggctgcc atgttggaga tccatcatct ctcccttcaa 180  
tttgtcttcg acgacatcaa caagagcaag ttcattctgc aagtccttca ttaagatact 240  
gatggcacag gccatgcaa cagcaccaac cccaacaact gtaatcttat tctggggggg 300  
ctgttcttcc tttagaagat tataaatcag 330

<210> 1380  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 1380  
ccactcctgg aaaccactg atagatgagt ttccccatt cttctggcct ccgccacatg 60  
atcaggaagc tggacttgct cttatccaac cactcgaggt tccctttctt cctcagttcc 120  
tctaatacaa tctggatcga ctccacagga agctttcgct gtagcttgac gttgttgaag 180  
agcgggctct cctgagcttc catcaccgtc atgctggact gtttgtgcag gcggcagaag 240  
gacaggacca gcgagcacca ggcggccag 269

<210> 1381

<211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 1381  
 aaaagagagg aaaggcagtg cagggctgga ggtcctggag ggtggcggcg ggtcgtccta 60  
 actagcaggc tgaaagggtgc tggaggggat gccttcactc agaggaagtt cacagccacc 120  
 tgccttgga catgtacctg ttcattcttt cgtaattgta gtattcattt tgctatcttc 180  
 ctgttgccat ttccaaacag tgtcagtatg tttttgttaa atacgaacat tt 232

<210> 1382  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 1382  
 aaacgtgcta aagggaaagg aatctgacat tctgggtaaa tcttactcaa tctaaatcaa 60  
 agcttggttt tcaggaggag gaagggtgcga ggcgaggcag aggtgctgaa tactcctctt 120  
 ctgattcact tccatcatcc tctttctctt ggtcactgcc ctacgtgcta agccggtcaa 180  
 acccttttctg actgtagccc ttacggcttg caaagaaatt accaaggttt aagcctccac 240  
 ttccctttcc tctaaatctt cccagtaact ttctgaact cgtctcgagt ttgtgttcag 300  
 aatctccaaa ggcccttgat tttttccacc gaataaatat ggcaatgg 348

<210> 1383  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 10  
 <223> n = A,T,C or G

<400> 1383  
 ctgcttcaan acctcagctt catgggactt gcgtctttct tctgcagctt ctaatttctt 60  
 ctgaatttcc tccagggaaa gatccttctt ctttgaggag gaaaggggga attctggaac 120  
 agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcccgagg cacgcttctc 180  
 cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240  
 tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgc 293

<210> 1384  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<400> 1384  
 ctgaagcaac ttgggattaa ttgcttgatt agcttcacga agcacagaga taaggctcgt 60  
 cacttgcttt atgttattag gtgtaaagaa agtgtatgct gtgcctgttt tggactgcg 120  
 agcagttctt ccaattcgat gaatataatc ctctgaggag ttagggtagt cataattgat 180  
 gacaaatttc acatcttcca catctagccc tctggaggcc acatctgtag caatcagaat 240  
 aggagctttt ccatgtttga attcatttag aaccagtcga cgctcttggt gactcttgct 300  
 accatggata cccatggcag gccacccatc tctcctcatt tttctggtaa gctcatcaca 360  
 tcttcttttg gtttccacaa aaacaatggt tttattctcc ttctcactca tgatctcttc 420  
 cattagacga ataagttttt catccttttc tacgtcatga cacacatcca caatctgaag 480

aatgttgtgg tttgcaactca gttcaagtgc accaatgttt atatgaatat agtctttcag 540  
gaaatcttca gcaagctgtc ttactttctt tgg 573

<210> 1385  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 1385  
ccaaggccgc tagggctcctt acccctcagg atcaactcccc agccctttcc tcaggaggta 60  
ccgctctcca aggtgtgcta gcagtgggcc ctgcccaact tcaggcagaa cagggaggcc 120  
cagagattac agatcccctc ctgtaagtgg 150

<210> 1386  
<211> 159  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 139  
<223> n = A,T,C or G

<400> 1386  
aaatgatgtt ttggttaaga gtggaccatg agaattagct gacagcatcc cctttctctc 60  
tccctgcctt ggtgggaccc tccctgtgtg accttggtca agtcctcgaa cttttgtccc 120  
gtatttaaga tggagctgnt ttacctactt cataagaca 159

<210> 1387  
<211> 735  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 5, 20, 41  
<223> n = A,T,C or G

<400> 1387  
ggtgnaattc gcctttgaan ggccgccggg caggtccttt ntgtstgctg aaggcagatc 60  
gcttgttcca caccagctac cactcccagg cagtgcatac ccgccctgtt tgcagaaatg 120  
cacgctgtac tagcatctcc tgggagctga ggagaccct gtcagttgta tttgatgcct 180  
tcatcacggg gcagggaaaag aaagactggt ccctcttcg gatgttctcc cgaaccctca 240  
cggagccctg cccctggct tcagagagcc gagtctatgt ggacatcacc acctacaacc 300  
aggacaacga gacattagag gtgcaccac ccccgaccac tacatatcag gacgtcatcc 360  
taggcaactg gaagacctat gccatctatg acttgcttga caccgccatg atcaacaact 420  
ctcgaaacct caacatccag ctcaagtgga agagaccccc agagaatgag gccccccag 480  
tgccctttct gcatgccag cggtagctga gtggctatgg gctgcagaag ggggagctga 540  
gcacactgct gtacaacacc caccatacc gggccttccc ggtgctgctg ctggacaccg 600  
taccctggta tctgcggtg tatgtgcaca ccctcacat caccctcaag ggcaaggaga 660  
acaaaccaag ttacatccac taccagcctg cccaggaccg gctgcaaccc cacctcctgg 720  
agatgctgat tcaga 735

<210> 1388

T0630T-45420T

<400> 1388							
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gggggtaccc	agcacatccc	actataccag	atgagtggct	tctatggcaa	gggtccctcc	120	
attaagcagt	tcatggacat	cttctcgcta	ccggagatgg	ctctgctgtc	ctgtgtggtg	180	
gactactttc	tgggccacag	cctggagttt	gaccaagcac	atctctacaa	ggacgtgacg	240	
gacgccatcc	gagacgtgca	tgtgaagggc	ctcatgtacc	agtggatcga	gcaggacatg	300	
gagaagtaca	tcttgagagg	ggatgagacg	tttgctgtcc	tgagccgcct	ggtggcccat	360	
qggaaacag						369	

```
<400> 1389
aaagatgttt ctggcatttt ctttttattt gtaagggtggt ggtaactatg gttattggct 60
agaaatcctg agttttcaac tgtatatatc tatagtttgt aaaaagaaca aaacaaccga 120
gacaaaccct tgatgctcct tgctcggcgt tgaggctgtg gggaagatgc cttttgggag 180
aggctgtagc tcagggcgtg cactgtgagg ctggacctgt tgactctgca gggggcatcc 240
atttagcttc aggttgtctt gtttctgtat atagtgacat agcattctgc cgccatctta 300
gctgtggaca aaggggggtc ag                                     322
```

<400> 1390						
aaatattagw	tgagacttta	caggcacata	actgttcaga	tagaaacaaa	cataacagac	60
taaaataactt	tcaaaatttaa	agccatctag	aaaatggaag	taactgaaac	tgtagccatt	120
acaattcttt	ttctggtttt	gagcaaaaat	tttatctctc	tggcaaaaaca	cctttgtctg	180
atcatttgag	agacagggtt	cttgatact	gtttcttcaa	cgtaaaccctc	atttacaaaa	240
atagtgcacat	agcattatga	ataaactatg	aattggggac	catggaaatg	cactagaaca	300
aattttgtaa	aaatatggca	gatatggaag	ttaaaaaatag	aatggatgca	aggactgtac	360
taaagggtgtt	tgggtgtagtt	acaatgttca	ctttgcacaa	ctatccctat	agtctaggta	420
gccattgggt	ttctcctcag	cagtgtcaga				450

```
<400> 1391
aaaaaatcat aaatgggggt tcataatcca aagttgaaac atttattctt catagcttca 60
gaatttaaca accaattgta gaccatgctt tccaaatcca gtcttctttg ctatttttca 120
aaactttctga gatctagtat taaactgctc cattctaaat gtatagtttt agataagtat 180
tgtacacttg ttgataaggg ttttctgaaa gcagtcctatc aaatataaag aatgggttct 240
atctaagaat cagcagtgag ggaagaaata ttaaaccacct atcaagaaat caattattca 300
tttt
```

<210> 1392  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 1392  
 ctggaagaag aactgagaca gcagaaagaa gcagcttggt tcaaggctcg tccaaacacc 60  
 gtcattctctc aggagccctt tggtcccaag aaagagaaga aatcagttgc tgaggggcctt 120  
 tctggttctc tagttcagga 140

<210> 1393  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 1393  
 aaaactttgt ttttcttaaa agcttacagt gtttggctaa ttctcctccc cttttttacaa 60  
 gacgggggccc ggaggggtgga cactgggtggc aggttaaggg atactgtcac tttaagaagc 120  
 ctgcagattg aagtgtaaac atggagaaat taggggctga tttttt 166

<210> 1394  
 <211> 543  
 <212> DNA  
 <213> Homo sapiens

<400> 1394  
 gcagaggctg tgggtacaaca tggtccttgg tgaagacctg caccctctga acctcccacc 60  
 atcatcacaa ctgtagtctc atttgcaagt gagaaaagaa cccgacgtcc cacagccaga 120  
 tatacaccca gctccatgcc agcccttcat gtttaccttt tgctttgtta attacatgtc 180  
 agactcctag agggcctcca gactaatagg aagcatttct gtaaccaacc tgccaccac 240  
 tgattcagaa atggaaatca cattccacaa tctatggctt ctaccagcta gcccaggaaa 300  
 tacttgaaat cagcattcca attagtgttg agtctcttga ttgtgtcatt taccaattaa 360  
 ataactgaga cctaagtctg ggaacagagc cacgaatctg cctttgagat gctggcagat 420  
 ctcaaggcca tcaattattg ggggagggag ggacaaacac tcccaatcat ccaccagtca 480  
 gactgaatgt gtagctggcg aggaattact tocacttctg gcccagcaca agccctgctt 540  
 tgg 543

<210> 1395  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<400> 1395  
 cctatcatca gtgggggttgt attcaccatc atccagggtg ccatcttcat acaaggtact 60  
 agctatgacc aaccgaaaact tgtcacccaa gtctacaggg taaatttgaa tgtttacatc 120  
 taagattaga tccatcttga aagattcact ctcaaatgc agtcgagaca ctcggtcaaa 180  
 cttcttgccc tccgggtcaa tatccttcac atcgaaaata tcctcaaaca ggatgccgc 240  
 catcgcgagg gggccacgag agcagcagaa ggggtgagag cgcgaccaca gttgggagta 300  
 cgtgcacccc ctacgctgga caagaccgga gagaaccaa agcacctcct gaaagcgcg 360  
 cggc 364

<210> 1396  
 <211> 422  
 <212> DNA

<213> Homo sapiens

<400> 1396

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gctgctgctg ctattgtgtg gatgccgcgc gtgtcttctc ttctttccag agatggctaa 60
caggggcccc agctatggct taagccgaga ggtgcaggag aagatcgagc agaagtatga 120
tgcggacctg gagaacaagc tgggtggactg gatcatcctg cagtgcgccg aggacataga 180
gcacccgccc cccggcaggg cccattttca gaaatggtta atggacggga cggtcctgtg 240
caagctgata aatagtttat acccaccagg acaagagccc ataccaaga tctcagagtc 300
aaagatggct ttttaagcaga tggagcaaat ctcccagttc ctaaaagctg cggagacctg 360
tgggtgtcaga accaccgaca tctttcagac ggtggatcta tgggaaggga aggacatggc 420
ag
```

<210> 1397

<211> 653

<212> DNA

<213> Homo sapiens

<400> 1397

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ctgacctgct atcccacccc aaatttcagc ctgaggtata tttcagtga ggcaggtagc 60
tgtgcttctc agagcagaga agcagtttta agagcaaaaa ggtagaggaa atctagaaaa 120
gaaccgtctt gatacagatt tatcccatgg tgtgaaggga gggcaaagaa cccagtggca 180
cttcgcttat ccagcaattt ctgtcactgt ggtgaccaac ttctgcccg tccatagggt 240
cttgaactgc tcaggaactg ggaattcatt aaagtcaccg ccttctgtag gaatgaggac 300
attcatctcg gaagatttgg cactgactat ttcacaatcc aggggaattct tgctcaggta 360
agcatggcag ccactctgtt tgttgatgga tatggttggc actttaccca ttacctgaac 420
tttgacatcc ttactgttga ttatctccac aatgcccacc acgtcatcga ataccaggcc 480
aagtttctta cagttatcta ctgtaatgga gttaattttg cccttgattt gcaatgtcgt 540
gttgacacac ttgtatatgt aagccacctg tttcagctct gtgtcctcaa tcaccagggt 600
ggaaacattt tcttgatttt ccctctccct tcttgccctc agttcaagta cag 653
```

<210> 1398

<211> 261

<212> DNA

<213> Homo sapiens

<400> 1398

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aaaattataa ctactcattc tttcttttagc cttagataat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
cacactacta ccatttacag ttgtaggttt gtaatgtata attatgtaat gcasaaacta 180
gctttgactt gtgtracgat gcactgtcaa aggaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g
```

<210> 1399

<211> 195

<212> DNA

<213> Homo sapiens

<400> 1399

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ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agttt
```

<210> 1400

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<400> 1400
ctgcttccaa ccctttgggt ctccaccacc caagtttctt gtaggggtccg ccgggtccag 60
gatcacaggc ctgggttttcg tgagctgcct tctcaggtac ttttcaataa tgggggtttt 120
```

<400>	1401									
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gcgacattga	acggcggtga	ttcaatagtg	agcttggcag	tggtgggcgg	gttcccaag	120				
gttagaagtg	aggctgtgag	caggagcctc	tgccaggggg	catgcaatct	gcagggagg	180				
gctgaggggg	gtcccattgt	ctctgctgtc	ttctctgtcc	acctctttgt	agaggagctt	240				
gaqctccagg	aatgctctgg	tcagggtctg	tgtgactgtt	ggcc		284				

<400>	1402						
ccagggtttct	gctggtacca	ggctaagtag	ctggtgctgg	cgggaacact	gtgactggcc	60	
ctgcaggaga	gggtggctct	ttcccccgga	gacagagaca	gcgtgtctgg	agactgtgtc	120	
acttcaagct	ctgcgatgcc	atctgggagc	caagattagca	ggaggaagag	aagctgcgct	180	
qagqgtttcca	tggtttccc					198	

```

<400> 1403
aaactcaaaa ttgacaaatt aactagcttg ctttttgtca tttggaagac taccattatt 60
caaattttatt atgtaataca ctcatccaga taatgaaaca tctgcgaaaa aaagtgtggg 120
aatcacctca tctgtgcata aaatggctat tatacatgaa tgcagacggt tgaagttaga 180
aaggaatata actcaaatag caaaagggtc taattacaga gtttacaaat aagcagtttt 240
attttcaaaa gtacatagta agtccagact gggctattgc caaagaacta atcttttagtc 300
tacttcaaca tgttacatgg tattcctgac tctacagact atcagcatct gtggagggtta 360
gtccttaaag gtcccaaaga acaggaaaca tgcaggaata aaggactcct catgaagagc 420
aggtggggagc gagtgggcag g                                     441

```

<400> 1404  
tgaaggggtt cttggaagac ctggcacctc cagagcgcag cagcctaatt caggattggg 60



<400> 1408

<400>	1411					
ccacttggtg	agatatgggg	agcctacact	cgggagggst	gtacctttag	cactggccct	60
catctctgtt	tcaaatccac	gactcaacat	cctggatacc	ctaagcaa	tctctcatga	120
tgctgatcca	gaagtttctt	ataactccat	ttttgccatg	ggcatggtgg	gcagtgggtac	180
caataatgcc	cgtctggctg	caatgctgcg	ccagttagct	caatatcatg	ccaaggaccc	240
aaacaacctc	ttcatgggtg	gcttggcaca	gggcctgaca	catttaggga	agggcacccct	300
taccctctgc	ccctaccaca	gcgaccggca	gcttatgagc	caggtggccg	tggttggtgact	360
gtcactgtg	cttgtctctt	tctctggtat	tcgaaacatt	attctaggga	aatcacacta	420
tgtattgnat	gggctgggtg	ctgccatgta	gccccgaatg	ctggttacng	tttgatgagg	480
agtcgcggcc	attgccagtg	tctgtccgtg	tgggcaggcg	agtggatgtg	gtgggccagg	540
ctggcaaacgc	cqaaaaactat	cacagggttc	cagacgcata	caaccccagt	gttgggtgggc	600

623

<211> 171

<212> DNA

<213> Homo sapiens

<400> 1412

gcgcgcttgg	gggtgctgga	gtccgacctg	ccaagtgccg	tgacacttct	gaaaaatctc	60
caggagcaag	tgatggctgt	aactgcacaa	gtgaaatcac	tgacacaaaa	agttcaagct	120
ggtgcctatc	ctacagaaaa	gggtctcagc	ttcttgaag	tgaaagacca	g	171

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1413

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aaaagtcata aggggttttat tttgtatcat caaaatatct tataagggtcc caaataactct 60
ttttcaaccc atgaacagta agaattttgtg aattctgata atgaaaaaag ttttcctcca 120
ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
gaacaccag                                     189

```

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 511

<223> n = A, T, C or G

<400> 1414

cctccccagc	gcccaaaggt	ctattacaag	tacctataga	cttttcacat	ataagttcta	60
gtgggtacaa	gctttttttt	tttttttttt	tttttttttt	tctattgggk	atttcattca	120
tgttgggggg	ggaacaaatt	ctacaaactg	ctttaatatt	gkcctttttt	tctaataatc	180
acattaactt	tttatgtaaa	acataccaat	gcttttaata	aagcttacat	aggaataaac	240
tattatagac	ctgcatagat	ataagtaacc	atgtattaat	ctacattaaa	ataatggatt	300
ttattctgcg	aaractcaa	gttgctcctg	ggkgctaagk	gaagcactta	gggaaatgtg	360
ttcagtcttt	gaggtcatag	gaacattara	ttatatcaaa	ggaaacctgg	agccatcagc	420
taagtggccc	ttctgtcctg	tagatacata	aaaactaatg	ggctccgcta	tgcggtcac	480
tttctgctat	tagatactat	gaggcactaa	naaaaaacta	ctgcctgcat	catatctttc	540
ttcggtttga	gataaagaga	atgg				564

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1415

ctgcgcttgg	ataacaagta	attcaacgca	cgcacttaac	agaaatgtta	aactataaca	60
agcaccattt	gaggattaac	aggaacattt	ttttgaagat	ttcaaacgaa	ctcgactttc	120
agtataaattg	tacctaaagt	atttataaac	agctcatcgg	agcctctatt	tgctatagac	180

ttttgagttg attgttggga ccacataata ggaccatttt tttttgtott t 231

<210> 1416

<211> 540

<212> DNA

<213> Homo sapiens

<400> 1416

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cttgatttag gatctgtggt gcagggcaat gtttcaaagt ttagtcacag cttaaaaaca 60
ttcagtgatga ctttaatat ataaaatgat ttcccatgcc ataattyttc tgtctattaa 120
atgggacaag tgtaaagcat gcaaaagtta gagatctgtt atataacatt tgttttgtga 180
tttgaactcc taggaaaaat atgatttcat aaatgtaaaa tgcacagaaa tgcattgcaat 240
acttataaga cttaaaaatt gtgtttacag atgggtttatt tgtgcatatt ttactactg 300
cttttcttaa atgcatactg tatataattc tgtgtatttg ataaatattt cttcctacat 360
tatattttta gaattttca gaaatataca tttatgtctt tatattgtaa taaatatgta 420
catatctagg tatatgcttt ctctctgctg tgaaattatt tttagaatta taaattcaca 480
tgtcttgtca gatttcatct gtataccttc aaattctctg aaagtaaaaa taaaagtttt 540
```

<210> 1417

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 3

<223> n = A,T,C or G

<400> 1417

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ttnatcatct aactgtggga tctatttcat ttctggaaat aacacaactt agttctaggg 60
ctttcatgca catgaaatat aaaacagctt agttgttctg aaaacatgac aatggttaat 120
tttattcaag tcccaacact gagttcagag cacttctcca taggccccat taatctctcc 180
aggtttctgg gagtatcatt aaatccctcg gcattcctta gaagcagggt cttagcaaac 240
atccagtttc caaatgagag tcagaggggc ttgatcctga aagtgtagta ttttctgcc 300
ttgtcctact ggtatagctt cttggaccta aaatctctct cctgctgagg 350
```

<210> 1418

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1418

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tgctaggcag ctttattttc ataaccawt tagggaaagg aaatttagga ttttcaaggc 60
tacattaatt tttcctccat caaatcttga tttgttcttg ataaaaatga gttcttttgg 120
ggaaattctt tcttttagaca ccaacttggg ttttctcatc ttccacagaa taattgaacc 180
cctgacctct agatgttcaa aattccgctt caagcctctg tcagataaaa ttcaacagca 240
gcgattacta gacattgcc aagaaggaaa tgtcaaaatt agtgatgagg gaatagctta 300
tcttgttaaa gtgtcagaag gagacttaag aaaagccatt acatttcttc aaagcgctac 360
tcgattaaca ggtggaaagg agatcacaga gaaagtgatt acagacattg ccggggtaat 420
accag 425
```

<210> 1419

<211> 390

<213> Homo sapiens

aaactcttgc	tattgaattg	agatgattaa	aatggtgact	taatccgtag	ttatttttgc	60
ccactgaaa	ggaaagtgct	ttccagaata	atatgaagta	tctaaaagtg	tcaccttttc	120
ttgcctgata	aacaatttgg	gcttctctgt	tgtacaaggg	gccatttggc	ataacctttca	180
cagcttttat	caggccaagt	taaaggctga	ctacattttt	tcatcatgag	gaaagcagtt	240
gaaatgaggc	atgagttact	gtgcattggg	attttagaac	aattttcttg	tgacagctct	300
ttttgtgaag	ttaggttctt	aaaagtgcc	atgatggtca	cttaaaatgt	gcagtaatat	360
cactgccagg	atcaagcatg	aaaggctttt				390

<211> 480

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

ttgctgaaca	atgacatcgt	tttctccagg	ggttgaaatc	catgtccatg	gctgacaacc	60
caacaaggct	gggacccaaa	ttcgtacaga	gatgaggcag	agtggagaga	aacaactctg	120
gctgagccag	agtctccagc	cactacttct	tattcctggg	ctttagctct	tcggctgcat	180
tacgcaggaa	aatgtaattt	tttttctggg	gattataaaa	ttcatgtccc	tttgaccagt	240
cgtagctgga	agcgtatgca	aatatgtttc	cattgygatt	gaaacagcaa	gctgasatgg	300
gctgayctaa	ctgttccgaa	gnttttagtt	ttgktctggc	atctttgycc	cagaagctga	360
atctaccatc	agatcccaca	gttgcaaggg	tgccatgaac	aggatggaac	gccgattcca	420
tttaccgcga	taaatgycct	gaggagctga	agtgttggtt	ccattagatc	gatgacattt	480

<211> 453

<213> Homo sapiens

aaactgattg	aggtcacagt	atattattat	tgggggtcct	caccacagga	aacactgcga	60
tacaggggca	aaagagatgg	cagtccaat	taaattaata	caacaaaatc	aatgcagcac	120
caaccaagac	tgccaggtct	ggtgtcatgg	gtatgccag	agcccaggag	ttcagaaggg	180
ccctaagcct	gatttaatgc	tctgctgttg	atgtcttgaa	attcttaaca	atttttgaac	240
aaggggcctg	cgttttcact	tcgcaactgg	ccttgcaaat	tacatagcga	gtgctcataa	300
aagaactcag	aaacgtggta	cctctcttcc	tgggtggatac	aaataaagaa	atctggatcc	360
aaagttgaaa	gttgctggcg	atatcattca	agtaggactc	taaatagtgg	attaagatga	420
gggtgggcct	gggtgaagat	tctttccagc	ttt			453

<211> 542

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 4, 151, 166, 220, 231, 308, 349, 364, 511, 528, 537  
 <223> n = A,T,C or G

<400> 1422  
 ttttcttgac cactatacgg cacaacctag gggstgtawa aaacctascr caatgcagaa 60  
 ggggtgaagct tcatgacaat tgggtctcggc aataatttgg gggatgtaac atcaacgaat 120  
 cagacaacaa aagcaaggga atacacatgg nactaaatca gtgtgnggaa aaatatccca 180  
 aacaggcaaa gcacaacatg gamtagatat atgcacattn atggaccctg naggcakkac 240  
 tcacaaacat actacctggg aagcamctgg acctttaagg gatgaggtag attcaacaaa 300  
 cagggcancg tatmttccac tgggatagca ttccagcctt aaaaataang aaatcttgaa 360  
 aagnactaca ataaggacaa atctcgaaca cattctgtta agtaaaacaa gacaagccaa 420  
 aaagggaaaa ctgtataatt acacctatgt aaaatattta gtcaaactca aagaaaccaa 480  
 gtgtttagt ctcagcaggg caccaagatg naaacagtct ctcatagnct gagatangca 540  
 tc 542

<210> 1423  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 1423  
 ttaatgccaa atggcaaagt tgcattccgtg gaaatgggta aatatcatca ctgtcgggat 60  
 gaacccctgc acgccctcta tgacaatgtg gagaaactct ttccagggtt tgagatagaa 120  
 actgtgaaga acaacctcag gatccttttt aataatgctg taaagaaacg tttgatgaca 180  
 gacagaagga ttggctgcct tttatcaggg ggcttggaact ccagcttggt tgctgccact 240  
 ctgttgaagc ag 252

<210> 1424  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 1424  
 tttccactct gcacattgta gaggggaacac tctgtaggcc catgggtccc ttactagaga 60  
 ggttgagtga atttgccctc agttaacatg ggaccttctg tttagcttcc tcttgcttcc 120  
 caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg 180  
 ctgctttgtg ctaaaagcat gggaaatgta aaggcagtct ttctctggga aatggatgct 240  
 attctattct gctgccccta cctgttctctg agg 273

<210> 1425  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<400> 1425  
 aaaaaccttg tatagcaaaa taacttaaaa ccctttgtga tatcatctta ccagtttatt 60  
 tggtaaaaaac aaacagttat ttggtatttg tcagaattct tcagtgcctg ctattacagc 120  
 tattttccaa ttactaattt gattatactc actcaaggca gtgcaagatc ttgaagtact 180  
 ttttagcagt taagtaatat tgaattgtat tgaatagttt acatagttta ttctagtctt 240  
 tgaaaattac tgaacatgga caatgtgcat gtcattgaca tctgccttag aacttctggg 300  
 acaatcctga ttcgagagat tctatcccat tattttacata taccaaaaat actttgttaa 360  
 tttaatgtgt tggcttccca actcctgaac acgacacaat tttattatta gattttgtat 420  
 ggtgatttta ggctatgaaa acatgatcat tatatgtata tagatacatt tttatttggt 480

```

acaaatgttt gagcagctca ctagcccacc cctcctctat tttgggtaag agaatttact 540
acctttttta actatgtagt tgagagcaac atgtattttg ttatttttag aatggtcagt 600
atattgctat aaaattttt                                     618

```

```

<210> 1426
<211> 565
<212> DNA
<213> Homo sapiens

```

```

<400> 1426
gtggtagaaa gagatgacgg aagcacatta atggaaatag atggcgataa aggcaaacaa 60
ggcgggtccca cctactacat agatactaata gctctgcgtg ttccgaggga gaatatggag 120
gccatttcac ctctaaaaaa tgggatgggt gaagactggg atagtttcca agctattttg 180
gatcatacct acaaaatgca tgtcaaatca gaagccagtc tccatcctgt tctcatgtca 240
gaggcaccgt ggaatactag agcaaagaga gagaaactga cagagttaat gtttgaacac 300
tacaacatcc ctgccttctt cctttgcaaa actgcagttt tgacagcatt tgctaattgg 360
cgttctactg ggctgatttt ggacagtggg gccactcata ccactgcaat tccagtccac 420
gatggctatg tccttcaaca aggcattgtg aaatcccctc ttgctggaga ctttattact 480
atgcagtgca gagaactcct ccaagaaatg aatattgaat tggttcctcc atatatgatt 540
gcatcaaaag aagctgttcg tgaag                                     565

```

```

<210> 1427
<211> 144
<212> DNA
<213> Homo sapiens

```

```

<400> 1427
ccactagtta tttttatgta atcaattacg gggtcattag ttcatatccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc cgccaccgcg gtggagctcc agcttttgtt 120
cccttttagtg agggttaatt gcgc                                     144

```

```

<210> 1428
<211> 214
<212> DNA
<213> Homo sapiens

```

```

<400> 1428
ccactagtta ttattatgta atcaattacg gggtcattag ttcatagccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc ccgcctggct gaccgcccaa cgaccccgcg 120
ccattgacgt caataatgac gtatgttccc atagtaacgc cgccaccgcg gtggagctcc 180
agcttttgtt cccttttagtg agggttaatt gcgc                                     214

```

```

<210> 1429
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 12, 16
<223> n = A,T,C or G

```

```

<400> 1429
ccactagtcc anttngtgg aattctgaag ccttaattgc ttatatccat gtttctagtg 60

```

aaatgagagg	gtataacaaa	aaagagaaca	ggaggaaagc	ttcgctgtgc	ctgaggaaat	120
aatctagtca	aggcagcaag	tctggatagt	gctatagaga	tgagatacct	gagcagttcc	180
agaggaagag	gtggagatca	gaggccagtt	ttcagtgaac	actgtaaaga	aaagccagat	240
gatgtgtcct	gga					253

<210> 1430  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 1430						
aaattttact	agtgttactt	aatgtatatt	ctaaaaagag	aatgcagtaa	ctaagccct	60
aaatgtttga	tctctgtttg	tcattacttt	ttcaaaatta	tttttttctg	taaagtataa	120
tatataaaaac	ttcttgctta	aattgaattt	ctatattagt	ggttaattgc	agtttattaa	180
agggatcatt	atcagtaatt	tcatagcaac	tgttctagt	ttttgtgttt	tt	232

<210> 1431  
 <211> 734  
 <212> DNA  
 <213> Homo sapiens

<400> 1431						
cattatacaa	cactatattg	ccaggtcaaa	gagggcaggg	acgtaaatgt	acactaaaaat	60
gcmaatgtat	cccaaagaga	taaaacaaat	tccattttaca	gcatgaaggt	ttacaaatgt	120
acacctgtac	aaccaaggaa	agcatcacta	ctaaattagc	aaggctttta	taataaacat	180
tgaaasaaga	tttcctttca	aagtgtaaac	ttacatctat	tactacacac	acaatgcata	240
tattttataga	aagcaaaaag	agctatctga	atatgtaatc	atgcttaaat	gctgagctat	300
caaattcact	tttcagtggt	cccttttcat	ctctatctgg	ttcctacttt	ctgcctctat	360
gaaaaagcaa	aataaagctc	aacacttcct	caacatgtct	gtaattctat	aagcaaaaaca	420
aaatacaaat	ttccactcct	tctcattgca	aaccaaactg	aaaagttaat	aagtgactta	480
acttttctatt	tagtgcactt	aattggaagt	gtcaccatga	ttttgtattt	aactcttaca	540
acaattacat	atgtaagtat	atacaatatt	tctgtacatt	gccagagaca	ttttagggca	600
gtaattgtat	taaaaccaca	tctactgtaa	ataatgttag	gttcttttca	tctcaaacca	660
ctttattctt	gcctacttac	tcgttatttg	catgatagtt	tgtgaattat	caaaatacaa	720
cttaactcct	taaa					734

<210> 1432  
 <211> 542  
 <212> DNA  
 <213> Homo sapiens

<400> 1432						
tttaagaaag	agcctttgag	aaacatgcat	acttttctct	tttctcctat	attcaatact	60
catatagcct	aaaagatgga	aactgggttca	agaattttaa	tgacttggtc	cctaaaaaagt	120
taatctcctc	acctttgtga	aatatatcaa	gtgcttttcta	taaataaggg	caggaaatgc	180
taacttcata	agcatagtc	tagtcattaa	aataatttga	tcattcttcta	aaattttaagt	240
atgatagtaa	cacagtaata	tggaaaaatct	caatatactt	aacacttcct	aaacagcaca	300
atgaaatgtt	gttcaagggtc	tgaattaatt	tgctacagga	cctaagcaag	tctgtttgtc	360
tatcttttgg	cttttaaaatt	cttttaagtct	aaaatggtga	taatttttaga	ataaactgac	420
aatgtgggga	acaaacttaa	attcacaac	actaccata	tgctcaaaaa	ctctctggga	480
taattagttt	cttcattgta	actattgatg	tactattatt	tcattctttcc	attagctcta	540
ct						542

<210> 1433



```
<210> 1437
<211> 171
<212> DNA
<213> Homo sapiens
```

```

<400> 1437
ttttgccacc tcaagaagcc attttcttgt ctgtttcctt ctttacctac ccctacaacc 60
tatgaacaaa taccataact taaaaattta ggtagtctac aactcctaca aatttttaagt 120
tcagagacta cccaaagaac tgtggaagat gcagcaatat aaaagttttt t 171

```

```

<210> 1438
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 1438
tctgagtgga ggtaggctaa caacacattt tgactttstc ctcaaaggat agctttgaaa 60
aacaagtgta accaattggt acaccaaatt aaaatggcaa tattaaatcg gtaacaaaaac 120
gatccacatt ttatacaata ttgtatttcc aaacatacat aggtcatgaa aatcagagaa 180
cctaatatag caccgttgaa accattcatt atccttcatt tgtgtatgca attcagaatt 240
tcggcagaag acaacaaatg gaaaatgcct ttcgtttcta taaatcattt tggatttcaa 300
ttaaatcttt gccttagtaa agggatttct tatctcaaga tcaattagcc gtttttagct 360
ccaccgtttt ggaagtaaaa atgatgagct acatctactt ttttaattt 408

```

```

<210> 1439
<211> 168
<212> DNA
<213> Homo sapiens

```

```

<400> 1439
ttacacaaca gctataaacc tgaacacata tgctatcatc atgccataag actaaaaaca 60
ttatatattag cgacaagtag aaaggattaa atagtcaaat acaagaatga aaaacgcagt 120
acatagtgtc gcgaactcaa atcggcattt agatagatcc agtggttt 168

```

```

<210> 1440
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<400> 1440
tttcacatac gaagaaatca actgtgatta tgaagtgaca gccagctaaa tatgtcttgt 60
attttctctc ttccctttttt tgcctaactc atcctttact tccattcctg cttccatggt 120
aatgcaggct caaataaatt actaggatac aagattactt caagcctctt ttctgtggaa 180
ctcataatat gataagcatt tgttacaaga ttgcctgtag ttgtttaggg gacaaattat 240
attagggaag gaaagtcttt ctttagttgg ttaaattttc tattataatt gggactactaaa 300
tttattt 307

```

```

<210> 1441
<211> 684
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 600
<223> n = A,T,C or G

```

```

<400> 1441
ttaagttctg gagtgttcac ttctgagcct gaattccctc ccctgcaaaa tgggggaata 60

```



ttccc

365

&lt;210&gt; 1446

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1446

```

tctggaaagt tcttgctcgg gtcccttcac ctccccgccc tttcttarag tgcagttctt 60
agccctctag aaacgagttg gtgtctttcg tctcagtagc cccacccca ataagctgta 120
gacattggtt tacagtgaac ctatgctatt ctcagccctt tgaaactctg cttctcctcc 180
agggcccgat tcccaaacc catggcttcc ctcacactgt cttttctacc attttcatta 240
tagaatgctt ccaatctttt gtgaattttt tattataaaa aatctatttg tatctatcct 300
aaccagttcg gggatatatt aagatatttt tgtacataag agagaaagag agagaaaaat 360
ttatagaagt ttgtacaaa tggttt

```

&lt;210&gt; 1447

&lt;211&gt; 261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1447

```

aaaattataa ctactcattc tttcttttagc cttagttaat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
cacactacta ccatttacag ttgtaggttt gtaatgtata attatgtaat gcagaaacta 180
gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g

```

&lt;210&gt; 1448

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1448

```

aaaaaaagga aaaagtttta ttacgaaact agtttgtata aaacagggtt atacatattt 60
ttgtaagttt gtaataaaac agtaagaaaa aaaaggcagt aatagaaatc tccaaaaggc 120
aacctatcaa aaccaactgg ctgccacttt gagtttggac agtagctgca taaactttgt 180
tcttcttgaa cagtatttaa taacatcatt aatacattaa caacatttct ataaagtaag 240
acacattggt gctgaagtac aactggtggc ctcttgatct cacctatgag gagagttctt 300
tacaaaacca catagggaaa attgcagttg taagggtgaac tacacatcta aaatatgcag 360
aggtaatagc attacatggt aaagtatcaa gatatacaca tttt

```

&lt;210&gt; 1449

&lt;211&gt; 230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1449

```

aaaagttcta gtggtacggt aggagctttg cagggaagttt gcaaaagtct ttaccaataa 60
tatttagagc tagtctccaa gcgacgaaaa aaatgtttta atatttgcaa gcaacttttg 120
tacagtattt atcgagataa acatggcaat caaaatgtcc attgtttata agctgagaat 180
ttgccaatat ttttcaagga gargcttctt gctgaatttt gattctgcag

```

&lt;210&gt; 1450

<211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 1450  
 aaaaactcct tttggtttac ctggggatcc aattgatgta tatgtttata tactgggttc 60  
 ttgttttata tacctggctt ttactttatt aatatgagtt actgaagggtg atggagggtat 120  
 ttgaaaattt tacttccata ggacatactg catgtaagcc aagtcatgga gaatctgctg 180  
 catagctcta tttt 194

<210> 1451  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 1451  
 aaagatgaca aatactgggtt aattagcaat ttaagaccag agccaaatta tcccaagagc 60  
 atacattctt ttggttttcc taactttgtg aaaaaaattg atgcag 106

<210> 1452  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<400> 1452  
 ctgcagatcc tgcggaacgt caccaccac gtttccgtga ccaagcagct cccaacctca 60  
 gaagccgtgg tgtctgctgt gagcgaggcg ggggcgtctg gaataacaga ggcgcaagca 120  
 cgtgccatcg tgaacagcgc cttgaagctg tattcccaag ataagaccgg gatggtggac 180  
 ttgtctctgg aatctggtgg tggcagcatc ttgagtactc gctgttctga aacttacgaa 240  
 accaaaacgg cgctgatgag tctgtttggg atcccgtgt ggtacttctc gcagtccccg 300  
 cgctgtgtca tccagcctga catttaccac gtaactgct gggcattta 349

<210> 1453  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 1453  
 aaaaataatg tgcaagagca tcatgagaaa gaagaggggt gaagagataa tccagaggaa 60  
 catcaaagt aagagtatac actcaaagac aggtttaaga aagaccagtc agagaagtaa 120  
 agaaaaaat caagcaagaa taatgttgca aaaattaaca agaaagttgc aagcccagag 180  
 tggttagcaa tgccaaacta ccatgagtaa gccacataaa acaagaactt tgggttcaac 240  
 tgctttaaca atcagacctt tagattcaca taacaggagt taaaaatta agagcctctt 300  
 tt 302

<210> 1454  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 1454  
 caagcgtaaa ccgcgggagc cgagcccagc taggaatgca gacctcctga aaaccaagcc 60  
 gaggactgcg gggctcgggtg tccacgcaga gtgtcagctt cctctgggtg aaccagcaag 120  
 tcttccagta tgaatccac agaaaccaag gctgtaaaaa cagaacctga gaagaagtca 180

cagtcaacca agccaaaaag cctacccaag caggcatcag atacaggaag taacgatgct 240  
 cacaataaaa aagcagtttc cagatcag 268

<210> 1455  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 29  
 <223> n = A,T,C or G

<400> 1455  
 ctgtcgagag cagccctgcc caagawtgnc ggggtggggc tgggtgccaac ggggttccaa 60  
 ggscctttcm actttkgaak ggctggartt cttgggaaac cmaaacsctg actacctgsc 120  
 ttttttcttg ggcatygacs tgcttcattt ccaaaaratga tggkgcagggt gaccttttcc 180  
 atcgtgagct aaaaaaagggt taggagg 207

<210> 1456  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 1456  
 aaattttctgt ctgctaaaaat ctatcaaata cattaaggaa aagtcccact tggcacatct 60  
 cccacaccag atgttaatta ttcatactgc atgactgagg attttggagg cagagagaga 120  
 ttcattctgca atatttgga caccaatgga ggtctacgtc aacacagaat ttatacagca 180  
 g 181

<210> 1457  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<400> 1457  
 aaaaagwtca gagttgaaat gcctttcaac cattkccttc tgttggtcatt tttcttgctg 60  
 cctttttcac ccaagattca gcagtcagat gtttactgca cacctattac ctattatttg 120  
 ctgttcttgc atggttcaaa ccaccattct gtagccaccc atcctttgcc ttatctaaca 180  
 aacatttttc caggaagggt gaaaaggaag tgttgctctc attgtgtgac tcagtgtgctg 240  
 tgtccatccc atggaaacat gggcacaatc aagtatttgt ccagcctatt gcaggctttt 300  
 cctgacttt 309

<210> 1458  
 <211> 117  
 <212> DNA  
 <213> Homo sapiens

<400> 1458  
 aaagactatt gagaaatagg aaggtattga gagattattg gggtttcatca kagcagactt 60  
 aagtagcctg gttgatttta gatttgtcac agcaaaatca tgcttgatg ctcgagg 117

<210> 1459  
 <211> 575

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 371, 379, 428, 469, 498, 506  
<223> n = A,T,C or G

<400> 1459  
aaagaatgca taccagaaca tttataagca gtggagtgag kthtattaag aatagtacta 60  
ctacaataaa cgctggctaa ataagaagtg cattatgtga agcactatgg gtggtatatg 120  
cttwgmcaca tactctkgtt accttgaggy agatmacrca tgkgaaccaa cttcggcata 180  
catttttcagt tgctgcgagg aatcatgtgt ttttaacgaaa tgcgtcagta tgaaaaactt 240  
gaaaatattc atgaatgawg aacgcmntag gaaaaaata kstattctca tgcaattatg 300  
tacagtctca ctgtgtarat ctcaaggcaa ggtttgcctc ctgtaaacca gatcaagggtg 360  
ctatgagaga ncgccytgnc ttattgcatt tcttttctcc tmctgcgccca gcattatatt 420  
gctctagnct ttatttttgt gtgcacaactg acatgccatt aaaratgang ractatctca 480  
catgtagaaa argaaagnmc ttggankcta cctcagggtcg ctaccacgct aaggggyaat 540  
tctgcaggat atccatcaca ctggcggcgc gattg 575

<210> 1460  
<211> 444  
<212> DNA  
<213> Homo sapiens

<400> 1460  
ctggggggttc cttccttcac gttgagaacc tggagcagag agtctaccaa cttaagaaat 60  
attagaaaga gttcagcaaa cagagtgcgc tgaagtctaa tcttagaagt aaatccattc 120  
ctacaagtca tcagcatcac ttgggagcct gttagaaagg caaattcttg gttcagccta 180  
acacctacta aatcagaaac tctgggggag gagcgcagca atctgtactt tcacaagccc 240  
tgcaggtgat tctgagcctg taaaatttga gaaccagagc tgtccccag gagataaatt 300  
aacttctact tttttttgag ctactgcatt ttgggatcct attgttttat cagcttaaca 360  
tgcactctga tatgattact caggtaggtt tcaaccaatg ttggttaatg tattatcccc 420  
aggaacttat tactagagga gcag 444

<210> 1461  
<211> 536  
<212> DNA  
<213> Homo sapiens

<400> 1461  
ctgcaaccct gggactgacc gggaggctct gattatttac ccmaccacag gtaggttggtg 60  
ttctgaatct caggttcaca ggttaagggt cagcatcctc atcctccacg ggggttgagt 120  
tgttgctggt gatgaagggt ttgggtggct ctgcatagac tgtgatcgtc gtgactgtgg 180  
tcctattgag gccactggct gagttatttg cctggcaggt atagagtccg ctgttcttct 240  
cagtgatgtt ggagataaag agctcttggt tgtgttgctg gatgttccca tcaatcagcc 300  
aagaatactg tgcaggtggg ttagaggctg catggcagga gaggtgagg ttcacccttg 360  
gacggtaata ggtgtatgag ggggaaatgg tgggkcrctc ygggcatag aggacattca 420  
ggatgactgr gtcgctgtgs tyarcactta atkcgttctg gattccacac tcataggggtc 480  
ctacatcatt ccttgtgaca ytgartagag tgagggtcct gttgtcattg gacagm 536

<210> 1462  
<211> 409  
<212> DNA

<213> Homo sapiens

<400> 1462

```
ctgagakacc aggagaagtt ccagatgcag agactgtgat gctcttgact atggaattat 60
tgcggccagt agccaagtta gagacaaaac aggcataagg cccgttatta tttggcgtga 120
ttttggcgat aaagagaact tgtgtgtgtt gctgcggtat cccattgata cgccaagaat 180
actgcgggga tgggttagag gccgagtggc aggagagggt gaggttcgct cccgaaaggt 240
aagacgagtc tgggggggaa atgatggggg tgtccggccc atagaggaca tccaggggtga 300
ctgggtcact gcggtttgca ctactgagt tctggattcc acatacatag gctcttgctg 360
catttcttgt gacattgaat agagtgaggg tcctgttgcc attggacag 409
```

<210> 1463

<211> 502

<212> DNA

<213> Homo sapiens

<400> 1463

```
ccttcagcct ggatccttta tattaagatc aatgaggacc atttctggaa gatgtctggc 60
atggtacaga ctgtctgagg ccractgaac acaggccctt accctgattt tatcagtga 120
aagctatggg actagtttcc ttacctctaa aatggagaga ataatagaat cttccgtcta 180
agactkctgt gagcataagc cgagaaaatg gaggtaaact gcttagccca atacttggat 240
tatcgtaaatt attcagtaaa actagccacc gttgttattg taattattat tttgtatttt 300
attatacatt tcatggaaac ttaaaagtta gtgataatca cctcattttc agttgccttg 360
ctttcttcct gtaaatTTTA ttctctctta tcttgctcac tgtctttaag cattgccagt 420
ttagtataat tattttcccc tatcctctat aaaatcatat acaggatgga tttgttgatc 480
tcagacatgt tcactgagtt tt 502
```

<210> 1464

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1464

```
ggcggctcgg actgagcagg actttcctta tcccagttga ttgtgcagaa tacactgcct 60
gtcgcttgct ttctattcac catggcttct tctgatatcc aggtgaaaga actggagaag 120
cgtgcctcag gccaggcttt tgagctgatt ctgagccctc ggtcaaaaga atctgttcca 180
gaattcccc tttccctcc aaagaagaag gatctttccc tggaggaaat tcagaagaaa 240
ttagaagctg cagaagaaag acgcaagtcc catgaagctg aggtcttgaa gcag 294
```

<210> 1465

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1465

```
gtgcaggtct tcagccgtga cccggtaccc cagctctaag ggaggtggca gcatcaaagg 60
ctccccctgc ctgcgtggca gcaggggaat cttgcgtcta cggggcctag agtcatggga 120
tctgggggag ccacccctgg gggcaagtgt ctgccttggt gctgtacctg ccttgttttc 180
acagcgggtga cccgaagaga cagcctgagg tccgtcctca ctactgtgt ttgaggaact 240
gtgggccag 249
```

<210> 1466

<211> 203

<212> DNA



<213> Homo sapiens

<400> 1466

```
cctcagacac cttttaattg cttaggagaa accattgtct ctgactgcag gtttgaataa 60
gttgaagacc agagaaaagt acacactggg ctacaaagga atttgagat agccaaggaa 120
caggatttcc cctagcaagc taccttctgt tcaaactcatg aaaaaagact atttcccctt 180
agaataggga agcttgctat ttt                                     203
```

<210> 1467

<211> 223

<212> DNA

<213> Homo sapiens

<400> 1467

```
ctgtcagaac aggaacgacc tgggttatgg aagcccagaa agggaggagg acttcttttg 60
gtcccaagtga aagatgcttc cagaatctgt agccttactt atttgcttgg atctcactgg 120
aataacttgg tggtgaggct accggttctg ggggtgatcac tgggtttgct gcatagatgt 180
ttggatagat gacactcaca ttgcttgatt gacagcagac caa                                     223
```

<210> 1468

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1468

```
ctgcattatg tgtgttttaga acgagaagtt gtttgtacag tatttttcta ttgaccgctt 60
ccgtcttgcc tgaaacctgg gcattcttct caatagacag aaaatcacag agtcaaattct 120
gatgcgcaat gagttgttct gagaccagta atccacggtg ctgcaatttg ggttttt 177
```

<210> 1469

<211> 185

<212> DNA

<213> Homo sapiens

<400> 1469

```
ctgaagctga gaagtagcct atctatggar gagacttttg tttgtgttta attagggcta 60
tgagagattt caggtgagaa gttaaacctg agacagagag caagtaagct gtccctttta 120
actgtttttc tttggtcttt agtcaccag ttgcacactg gcattttctt gctgcaagct 180
ttttt                                     185
```

<210> 1470

<211> 482

<212> DNA

<213> Homo sapiens

<400> 1470

```
ctgaccagga gggacggttc tgtggacgag gacttcgtag ctgaggagcc agatttcttt 60
ttggtccctt cctcctggaa tggaatcgtg gcgctactgt ggagatctga gttgatgtag 120
cacctgcttc ctcgatgta gtccgcaccc cggaccagat gccgctcggg cgtgggtctg 180
gagaaccggg atgggggaga ggagctctct tcaatgatcg gaggaatccg ctcgttactg 240
aaataccggg aaagggcatc ctcccctttc ctgccatgac ctcgaggctc ggcaaaaagg 300
tcacaatcc ccatccagtt cccatcagca ggcatggaca aaggccgtgg cttgccttca 360
gagggacgag aaagaagggtg acaagtttga tgagttctgg aacttttagt aaccgttccc 420
tttatgtata acttagacct cacaatacca caccactta gacagaagca ataacaatt 480
```

tt

482

<210> 1471  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<400> 1471  
 tgtgtgaact tagactkwtc aattcaacat ttttaacrta tkaaatacta ttgtgaattc 60  
 aatgaagtgt tcttatgccca ctaacttttaa cctattccct tactcamgga tgtaggyaaa 120  
 rgatggtaac aatacactat tkggcaagat aatgtmctga catmtytagc aatstttttt 180  
 gmcagtggct tkcaactgma mwkaaskkam mkaatattgy tkctgtwsgt arattattat 240  
 tctgwywyta atcattt 257

<210> 1472  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 1472  
 cttttgcgag cctctgccgc agcagctccg ttttcaacgag catctcgttt ttgtgtgtgt 60  
 gtttttgttt tgtttttgtt tttgtttttt tgtttcagag aattggaagc taaagctacc 120  
 aaagacgtag aaagaaatct tagcaggtaa gatgggagcag ctttccgtct cccgccccac 180  
 gataatcgta tatttctact ccgattcgcc ctttctgggt tgagaagtgc ccccggtgaca 240  
 ttttcttccg caccgggaga gcagacattc gggagaagcg gcctggggga atactggagg 300  
 gattgcgggg agatgcgtaa ttacgcgtgt gtttctttct tt 342

<210> 1473  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 435, 442, 454, 462, 476, 524  
 <223> n = A,T,C or G

<400> 1473  
 ctgctacatg tcttcacagc ccaggaattc aaggcccagg tggcagcagg aagaaacagt 60  
 ggaaaagcaa ggggaagaga aaagagaaaa aggaggggga aagtctgcat aactgtcata 120  
 acctctgctt ctctgtctct gtaacaaacc cacaaccagg aagagtcag gtctggaaca 180  
 atcatgggac cccaaacgcc tgtaggtttt ttaccaccaa acatcaccca tggctgctct 240  
 aagctgtcat tttgttccca cagttaccta gcatcacgga tgcccaattt atggcccagg 300  
 aaggctgacc caggctaagg gcagtctcac tccacagcca tgcaatggac agtctgaatg 360  
 tttcctaccc cagaccttta ctgacctcta ctatttcctc ctctgatata aaagaaaaac 420  
 acttttaatt ttctnctgca tntacatct cctnctaaaa antttggcct aattgncatc 480  
 aaaaccttgt aggaatctga aatttttggtt cttctgaatc ttancc 526

<210> 1474  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 1474

```

aaacttgttt gctgtgaaca attgtcgaaa agagtcttcc aattaatgct ttttatatct 60
aggctacctg ttggttagat tcaaggcccc gagctgttac cattcacaat aaaagcttaa 120
acacattgtc caaaaaaaaa aaaaaaaaaa gcccckcccc sgggggscck ttmaaggggr 180
aawtccc 187

```

```

<210> 1475
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 1475
ccattctctt tatctcaaac cgaagaaaga tatgatgcag gcagtagttt tttcttagtg 60
cctcatagta tctaatagca gaaagtgagc cgcatagcgg agcacattag tttttatgta 120
tctacaggac agaagggcca cttagctgat ggctccagggt ttcttttgat ataactaat 180
gttcctatga cctcaaagac tgaacacatt tccctaagtg cttcacttag caccaggag 240
caacttgag tcttcgcaga ataaaatcca ttattttaat gtagattaat acatgggtac 300
ttatatctat gcaggctctat aatagtttat tcctatgtaa gctttattaa aagcattggt 360
atgttttaca taaaaagtta atgtgaatat tagaaaaaaa ggacaatatt aaagcagttt 420
gtagaatttg ttccccccc aaaatgaatg aaatacacia tagatgtaca aaaa 474

```

```

<210> 1476
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 1476
ccttggggac agggcaggag gacgcacacc tcatggacag ggcggccagg gctgagatac 60
cagcggggtg ggtattcccg gcgggtgctt acctccaaca gtgtcttgct agcaaaggcc 120
atgatgccct caaagatgat gacgtttgca ccatacagt ttttctgtga agaaaccag 180
gagttgcgga gcctggctca tgtgcctgca gcccccgag gcccctctg cagggccctg 240
gcctaccag tccttcttcc ggctgtgcgt ggtgaagtca taaatgggca ccttgacact 300
cttcccctgc ttcagcttct tgagggtgga aatgatgaag gtcgaagtca aaaggcatct 360
ggggtgggtc gaaagttaga aagtttgctt gtggtgccgg g 401

```

```

<210> 1477
<211> 753
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 59, 75, 152, 194, 200, 203, 205, 674, 682, 709, 737, 746
<223> n = A,T,C or G

```

```

<400> 1477
cagcatgctt aaaaagttgg aggaattgga acagaaatac acctwmcaac ctkrmcctnt 60
taccaaaaac aaacnagtgg tatkggamcc sacctttmrk ctttttcmac macttatttc 120
aaagytsrta kgtggkgaaa agmcacycyk snatscywcc rcacccttgw aggcyygttg 180
acttrataac akknctgctn atnwnrtgta ggggtgatay tgatgrtgaa attgcactta 240
gctgggttat aattkgaaag tcaaagtctt atttgataaa gatgtgaatg agagaaatac 300
agtaaaagga ttttaggaagt tcaacatttt gggcacgcac acaaaagtga tgaacatgga 360
ggagtccacc aatggcagtc tgggcgctga atttcggcac ctgcaattga aagaacagaa 420
aatgctggc accagaacga atgagggtcc tctcatcggt actgaagagc ttcactccct 480
tagttttgaa acccaattgt gccagcctgg tttggtaatt gacctcgaga cgacctctct 540

```

```

gcccgttgtg gtgatctcca acgtcagcca gctcccgagc ggttgggcct ccatacctttg 600
gtacaacatg ctgggtggccg gaaccagga acctgtcctt cttectgact ccccttgtg 660
cacgatgggc tcancttttc anaagtgtt gagttggcag tttttcttnt tgtcacccaa 720
aagaaggtct caatgnggg acccanaacc ttt 753

```

```

<210> 1478
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 399
<223> n = A,T,C or G

```

```

<400> 1478
aaacctatac tcactttccc aaattgaatc actgctcaca ctgctgatga tttagagtgc 60
tgtccggtgg agatcccacc cgaacgtctt atctaatacat gaaactccct agttccttca 120
tgtaacttcc ctgaaaaatc taagtgtttc ataaatttga gagtctgtga cccacttacc 180
ttgcatctca caggtagaca gtatataact aacaaccaa gactacatat tgtcactgac 240
acacacgtta taatcattta tcatatatat acatacatgc atacactctc aaagcaaata 300
atttttcaact tcaaaacagt attgacttgt ataccttgta atttgaaata ttttctttgt 360
taaaatagaa tggatatcaat aaatagacca ttaaccaana aaaaaaaaga aaaaaaaaaa 420
a 421

```

```

<210> 1479
<211> 214
<212> DNA
<213> Homo sapiens

```

```

<400> 1479
ggaaatatat aataaaaatg ttaaccagaa ggtaaacttg agtgtaattg tcagacagac 60
acacttttcc accagtgtat ttgaatttta gaccagtgc cctgttttgt ggcattcatg 120
caaaacatgc tgagggtctt gttcatctgg tcatcgtgtc caaatttcag tcatgtttgt 180
agcaagattt tggaagcatt catatttcc tttt 214

```

```

<210> 1480
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<400> 1480
ggaggccgct tacgtaaagc ccaggggaca ttcaacagcc cctactacc aggccactac 60
ccaccaaca ttgactgcac atggaacatt gaggtgcccc acaaccagca tgtgaagggtg 120
cgcttcaaat tcttctacct gctggagccc ggcggtgctg cgggcacctg cccaaggac 180
tacgtggaga tcaatgggga gaaatactgc ggagagaggt cccagttcgt cgtcaccagc 240
aacagcaaca agatcacagt tcgcttccac tcagatcagt cctacaccga caccggcttc 300
ttagctgaat acctctccta cgactccagt gacctatgcc cggggcagtt cacgtgccgc 360
acggggcggt gtatccggaa ggagctgcgc tgtgatggct gggccgactg caccgaccac 420
agcgtatgagc tcaa 434

```

```

<210> 1481
<211> 131
<212> DNA

```

1007457409

<213> Homo sapiens

<400> 1481

```

aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttgata 60
tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
ttagatatt t                                     131

```

<210> 1482

<211> 324

<212> DNA

<213> Homo sapiens

<400> 1482

```

tgtcgtctcc tcagaggctg aaaacatgag aagctagggtg tggtgaaacc aaagcagctt 60
tattgttcaa atgctaaaga cgggaggatg gactggctca agccttaaag aaaccatctc 120
gactttttga actcagtga cgggtttaag gaaaacgtgg gaaatatgca aagggtggtgc 180
aggaggggtgc aggtctgtgt gtcttattcc catggatatc ttgagtaatc gcttgtccag 240
aggtgggggtt tgtgtcatcc tgaattcaac ccagcaatgg tagggtagctg ttcataactc 300
accctaagcc agaagattcc tcag                                     324

```

<210> 1483

<211> 393

<212> DNA

<213> Homo sapiens

<400> 1483

```

atgtttaatg aatgatacag gatacatccc tgttggaagc ttgcaaaaga cacatacact 60
gtggtacata tttgatattaa tagaagttgt ttatcaggct atatatatat ttgccccaaac 120
atgcaccaca ggataaaaata actattttaca taacataggg tatttaattg acatagacta 180
tcagcttttg tgagagcaga agatggcaaa gcaatactgc agcagaaaagt ggaacaacta 240
ttctaaagca atacttttaga tatatttttc tagaatggat ttattagatt actttttgga 300
aagcatttga cctaaattaa atatagagct ctgaaactta gaataaaaatt tgcacttgct 360
gaaacagaat actttgcata aaaataatcc ttt                                     393

```

<210> 1484

<211> 323

<212> DNA

<213> Homo sapiens

<400> 1484

```

ttagatcag aaagtttgag gtcttcatca gcagacactc gtgcttctat ttttcttggt 60
ttatcgaaca gttctgaaac tttgagaaaa aacttgcata tatctgtaga atcctgagtt 120
cctaaagcat ataatgaaga accaattcta ttgtaatcat ctgcagcact tttgtgggat 180
cttgtcattc tatcagattt agcagatgca tccttaactc ggttatgata ttccaaaaga 240
aatgttcgtt cgtgctcaaa gaaatcatct acatccttta ctctgaaac gattactcca 300
tctgctgatt taaccatggt ttt                                     323

```

<210> 1485

<211> 405

<212> DNA

<213> Homo sapiens

<400> 1485

```

aggagcgtca ggaaaacacg ggcagcctgg gctctgacct gagccactcc aactccacgg 60

```

1001754702604

```

ccacgcagga agaagacgag gaggaggagg agagttttgg gaccctctct gacaaatact 120
cctcccggag actattccgc aaatccgcag ccaggttcca taacctgcgg ttgggggaac 180
ggagagatga gcaaattggaa ccggagccca aattatggcg aggcgggaga aacaccccg 240
actggtactt cttgcagtgc aaacacctga tcaaggaagg gaagctgggt gaagccctgg 300
acctgtttga gaggcagatg ctgaaggagg agcgattgca gcccatggag agcaactaca 360
cgggtgctgat tgggggctgc gggcggttg gctacctgaa gaagg 405

```

<210> 1486

<211> 230

<212> DNA

<213> Homo sapiens

```

<400> 1486
aaaaatatgt ggattgtgct tgacgtagca aatttcttct atctgcaaaa gcccttttct 60
cactacctca tatacacccc ttgatatgg caccatgttt gaaattggag cgtacacaca 120
tagtcattgg atttactggg attctctttg tgacaagtag gagccaaggg gtcattgcagg 180
gaagcgaacg tgcccgataa ggatttcctt gttgccagag tgttttagcag 230

```

<210> 1487

<211> 273

<212> DNA

<213> Homo sapiens

```

<400> 1487
tttccactct gcacattgta gaggggaacac tctgtaggcc catgggtccc ttactagaga 60
ggttgagtga atttgccttc agttaacatg ggaccttctg tttagcttcc tcttgcttcc 120
caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg 180
ctgctttgtg ctaaaagcat gggaaatgta aaggcagtct ttctctggga aatggatgct 240
attctattct gctgccccta cctgttcctg agg 273

```

<210> 1488

<211> 452

<212> DNA

<213> Homo sapiens

```

<400> 1488
cctactgtgc ccgtaggca aagctctgaa gatttcatcg aaaaatctgc tgtcaatacg 60
tagaaaagtt cactatttca gtttcacagc aaaaaggtg gggggagggg ggaacccaat 120
agatatttaa gtagatgctt tccaatccca ttcactgcat taattagctt acctottata 180
cagtacaaca taaacattgc atgtttatgt gtatgtaaca cctataagca tatagcatct 240
acattttaag tgtattttaca aattcaacaa aatatctaca tataaaaagc tttacttaaa 300
attaaacttg atgcaagtta tgagaaacca atttattggc aaatgaaact gagcattcct 360
tcaaccatag gttgttatag attttcatat ttggaggtaa cccatttgat agatattggt 420
tatgaatacg atagaatata tttttacttt tt 452

```

<210> 1489

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 556, 562, 568, 573, 589, 592, 632, 637, 645

<223> n = A,T,C or G

```

<400> 1489
cctgctcttc tcttcaaagc acttagtaca cagggktaca ggtgctacca cttggattcc 60
ccagagcatg gaagtctgat cccagggtga acatatttct tctgaaaatg agcatcttgg 120
ttctatagat tcttatcttg ctcacaggac ttgctccaaa actgaatttt cagaagcagc 180
atgataggga aagagatatt caactctgac agacaaggta gatcgaagca cccacactaa 240
tttctttcag gtgccccatg aggaagactg catcatgtca cttccactca cttggggaga 300
ttctaggact gagacacaaa gttccccag agtttctgct aatggaaggg gaaacagggtg 360
gtttggaatg gaaagggtga accagggtcca caaaatgtgc tccctctgct caagactgac 420
tttggtcttc ccagggtccc acttgacttt catataagct gagatgacct attacgggaa 480
aaattaggga acacctaata aaaccaactt tcaaaaactc ctatttatca tggatgtgcc 540
acgatcgaga gaatcnaaca cnaactgnct gtnagagagg ccttcattnt gntcatctt 600
gagctaaaaat cctgrcttgg gatgccagaa ancatgnccc tcttntcggg ttg 653

```

```

<210> 1490
<211> 363
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 347
<223> n = A,T,C or G

```

```

<400> 1490
taacctgaca aaataaaaact tagtaaaatc takaactgtt tcttggccta cttgagagga 60
acttccatat ttccacagcc atctccgaaa gcagcagttg ctgtaaatta actgagactt 120
ggaaatggtg cagactgtct tggtagagct gttcttatag cacaatttta tctggaaaat 180
aaacttgtaa atgctgtgctg tatattaata catgtgtgcc catatttatt tttattatct 240
cctgccagtc tttgctcaat gggagatgac agaccaactt ctcaacgtga tttccccatt 300
tcattgaatg agatttatat gccacttatg aaaaaaata ctgctgngaa agaaatgtac 360
ttt 363

```

```

<210> 1491
<211> 163
<212> DNA
<213> Homo sapiens

```

```

<400> 1491
taatcagccc ctaatttctc catgtttaca cttcaatctg caggcttctt aaagtgcagc 60
tatcccttaa cctgccacca gtgtccaccc tccggcccc gtcttgtaaa aaggggagga 120
gaattagcca aacactgtaa gcttttaaga aaaacaaagt ttt 163

```

```

<210> 1492
<211> 184
<212> DNA
<213> Homo sapiens

```

```

<400> 1492
yattccccag gggaaaaatt gaaagtcaaa ctattcacca agagaatgca ttgtctttgc 60
aatgagcct aagaatcaga ctttttataa atacatgttc aagtttcttg tggttctaaa 120
tggacactga gaactgaaac tgtctacacc aagttttcaa tctatattaa ctatcattwt 180
acag 184

```

<210> 1493  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 39  
 <223> n = A,T,C or G

<400> 1493  
 aggtaawttg tgatatttag tgcacattta cgtgtaggnc crtcttkaat ggtaaagaca 60  
 gatacaagcc tatggcacac ttctccaaag caagctatac ttgagagcca attcccaaatt 120  
 aagacagcag agatctgatt aaatgcaact gtgcaaacat tcaacagaca tgttgaatgt 180  
 aagacaaatt atgattactg ataatatgca aatgtggtct ataaatttat gaatgtgact 240  
 tccaagggga atatggtatg gaagccatt ttt 273

<210> 1494  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<400> 1494  
 ttggaaaagcc tatcaatttc tctcttcatt ctccagcccc cacaccaagc acacagagct 60  
 tttcagtgtc ttactcttaa tggagaacat aaccagggat tatcagggtat tccaacatga 120  
 aaaagaaaagt ccaatagaaa caagcaggat aatcaaacca ggaggaagca gagactatat 180  
 agagaaaagaa aaaaagacac atgggaataa cggcaataat actgacaata cacctcacca 240  
 taaacttatc agaatgaatt tgttgagaa atatatggag gggagggtact tgtgtgtgtg 300  
 cacaggcact catgtacacg tgtgtatgtg tatgtttttt taa 343

<210> 1495  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 1495  
 tagcattctt ccagccactc tggcgctcact atgtgcttca cgacagaaat cgccgtcagg 60  
 aacttcacgg tgcgagtcac tttgctggca atgaggtgtg tgcacttctg tgcagactcc 120  
 gcaacctctc caccaagaat gtagagcttc ttaatatact gttgaacctg gacaggctcg 180  
 aatccagtga aaagcaciaa aggggtcaat tctggagtta gctttttagt gggaggtggt 240  
 acgtcttcaa ttctggctct tttggaagaa ggctggacat tagctacttc attctgtttc 300  
 agtttgggag gtagtcttat actcatcaac aactctgcag acacttttaa gggaactctc 360  
 caagcatcta aaagattt 378

<210> 1496  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 1496  
 tggagaagga agttttcctg aagagccaga atccttgcta agtcatttag atccaactga 60  
 ccatctttat ttctgtcaaa aatcttcac atgggtgccag tgtattcttc cagtttagcc 120  
 tcagaaatgg cctttttgtg gtgaagaaag aggtctcgga ggaagttgcg gagctcagca 180  
 g 181



<210> 1497  
 <211> 373  
 <212> DNA  
 <213> Homo sapiens

<400> 1497  
 tggaagctga tccaccttga gatcaagccg gccatccgga accagatcat ccgcgagctg 60  
 caggtcctgc acgaatgcaa ctgcgccgtac atcgtgggct tctacggggc cttctacagt 120  
 gacggggaga tcagcatttg catggaacac atggacggcg gctccctgga ccaggtgctg 180  
 aaagaggcca agaggattcc cgaggagatc ctggggaaaag tcagcatcgc gggttctccg 240  
 ggcttggegt acctccgaga gaagcaccag atcatgcacc gagatgtgaa gccctccaac 300  
 atcctcgtga actctagagg ggagatcaag ctgtgtgact tcgggggtgag cggccagctc 360  
 atcgactcca tgg 373

<210> 1498  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 1498  
 gctctttagt tgcttttctt ttaagggaga tgtagtaaaa gggaaaatgt agctcttagt 60  
 ttacacttca aagatgtggg ggtctttcag agaactaaga ataacagttt tatgtgcaga 120  
 gagagtttgc cagatctgaa gcatatacct cattgactag gctgttactt tgggataggt 180  
 tgcagtacca gccacagcca gcagatagag gaaaagacac acataaactc gcttctgagc 240  
 gtccacttct gcaactctctg ctctgctgtt actcagcccc tgagtctgac tcatctctgc 300  
 acaacctctc tgtgccatga agataagtct tccatgg 337

<210> 1499  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<400> 1499  
 catgcggagg gacttttagca tggctgataa ggtccttcct accattccaa aagaacagag 60  
 gaccagagtt gcacactttt tggaaaggca gggcttcaag cagcaagctc ttacagtatc 120  
 cacagatcct gagcatcgtt ttgagcttgc tcttcagctt ggagagttaa aaattgcata 180  
 ccagtttagca gtggaagcag agtcagaaca gaagtggaaa caacttgctg aacttgccat 240  
 tagtaaagt cagtttggcc tagcccagga gtgcctgcat catgcacagg attatggggg 300  
 cctgctgctt ttgg 314

<210> 1500  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<400> 1500  
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 aggtcttcca tccttcttat aaatcttaag actgtgttta agctttcttt cacttttact 180  
 ctatcccttg gaagttaatt ggaataaaaa agatttatca atttagtcac tataatttaa 240  
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10017541001

<210> 1501  
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 <212> DNA  
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 tccatatggg tgagccagcc tagagacaga acaggggaag ccagcgggtg ctgcagcgac 180  
 ccaccgcccc agaacatctg catcttacat caacaaagggt ttattttctca ttaatatcca 240  
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 gcagcctgtc tctgtggcag aggaaaagag agcactgggc agcacaggct gactctcaaa 360  
 ttttcgcgct gaaggtgacc caagtactg ctcacatttc attgactaaa gcaaaatcct 420  
 atgcctgtgg gtgagttgag caacgtgatg aggtgttaac ttctacagag gaggggctca 480  
 aatattgccc aacagtggta tggcccactg cctgggggtg tcggtggaag gctggcagga 540  
 caaggagagac cacgtgg 557

<210> 1502  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

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 gctgtgagca ggtctgcgtg aactccccag ggagctacac ctgccactgt gacgggcgtg 180  
 ggggcctcaa gctgtcccag gacatggaca cctgtgagga catcttgccg tgcgtgccct 240  
 tcagcgtgg 249

<210> 1503  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 1503  
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 cattcaagaa gcccatggga tctctagct gtggatagtg gctaattgtg tcatccagaa 180  
 tcgacactgt ggaccgcggc agcgttttcc tgtacagctc caaaaactct ggatagggat 240  
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 cc 302

<210> 1504  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 1504  
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 actgggcatt ataattggctc tttttgaccg cacacgcact ggcaagggtc aggtcattga 180  
 tgcaaatatg gtggaaggaa cagcatattt aagttctttt ctgtggaaaa ctcagaaatt 240  
 gagtctgtgg gaagcacctc gaggacagaa catgttggat ggtggagcac ctttctatac 300  
 gacttacagg acagcagatg ggggaattcat ggctgttggg gcaatagaac cccagttcta 360

cgagctgctg atcaaaggac ttggactaaa gtctgatgaa cttcccaatc agatgagcat 420  
ggatgattgg 430

<210> 1505  
<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 1505  
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aatgatcccc aggagccag cttccaaacc ccaacatcga atcaaacatc tccatcccca 120  
agtgcagtaa cacacaaaaa ccaaacactc tgccctggga aagg 164

<210> 1506  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 1506  
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ttttcaacct atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120  
ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180  
gaacaccag 189

<210> 1507  
<211> 268  
<212> DNA  
<213> Homo sapiens

<400> 1507  
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coctgaccgc cagacacaca gcaagcctga gtcactctgcc gtcaccatgt cagccacaca 120  
atcctgtccc tgggcaggct cgggtggcaat gtctgtgatt ggcactctggg gccagccag 180  
ctcctcgctc agtacaatgt tgggaccctt tgctgggatg tcaaacacca gcaccggcc 240  
tgaccacggt cccacacaga tgaagtgg 268

<210> 1508  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 1508  
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ttaatacttc agaccttcaa aactgtggcc tgaaagttgt atatgttaag agatgtactt 120  
ctcagtggca gtattgaact gcctttatct gtaaatattt 159

<210> 1509  
<211> 234  
<212> DNA  
<213> Homo sapiens

<400> 1509  
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actcagacac actcacggga cagcacagaa cttgattctt ctttgtctgt tgcccaaaga 180  
acctgttctt tgagctctgt ccaggtgact tgtaatgata cctcttacgg tttt 234

<210> 1510

<211> 437

<212> DNA

<213> Homo sapiens

<400> 1510

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gggagaaaca gatgctggag gagcatttag ggccagagtg gaggcacaga ggaagctggg 180  
atttttcaac taccctctcc ttgggtactc ctgggattcc cttaggattt cacggcacia 240  
ccagcgaaga gtttgctcag attcacttcg gagtagccac ttcgggacaa gaattgctct 300  
gctgtgttct tgagttttct gtagtcctgc agaactttgg gggtaaaaaa ttgcttcttc 360  
aatattatct tctcatgac ggtagtaagt ttctccagtg cacactccgc atcaaaaatg 420  
taccggtaaa agcacag 437

<210> 1511

<211> 94

<212> DNA

<213> Homo sapiens

<400> 1511

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tgatgatgat aatgaagatc ggggggatga ccag 94

<210> 1512

<211> 493

<212> DNA

<213> Homo sapiens

<400> 1512

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taccttatgt atacatagga gtttatataa tgcatttaag taacaaagaa tgtaacattt 180  
attagccacc aagtaattag gagatagcat caattatatt gaaagaagat gagtttagat 240  
gcttatagtc aaggaggtta attgaaattg aaagctattg taggtggtta ctactattat 300  
tatcaaacct gaaagttgga acatgtgaac ttgatccttt gcacacataa aagttcacia 360  
agctgctttt aatttgcctt tgttctgtag tactgcttgg tgaatcatgc actagtttgt 420  
tgtaaaattc atgtaaactt ttatgtatac aaatgtcaga tcaagcacag gttttattaa 480  
ttatatatat ttt 493

<210> 1513

<211> 510

<212> DNA

<213> Homo sapiens

<400> 1513

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agtaccatc tagtacttga aaaagtaaaag tgttctgccg gatcttaggt atagaggacc 120  
ctaacacagt atatcccaag tgcactttct aatgtttctg ggtcctgaag aattaagata 180  
caaattaatt ttactccata aacagactgt taattatagg agccttaatt tttttttcat 240  
agagatttgt ctaattgcat ctcaaaaatta ttctgccttc ctttaatttg gaagggttgt 300

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gttttctctg gaatggtaca tgtcttccat gtatcttttg aactggcaat tgtctattta 360
tcttttattt ttttaagtca gtatggtcta acactggcat gttcagagcc acattatttc 420
tagtccaaaa ttacaagtaa tcaagggtca ttatgggtta ggcattaatg tttctatctg 480
attttgtgca aaagcttcaa attaaaacag                               510

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<210> 1514
<211> 511
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 472
<223> n = A,T,C or G

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agtaatggca agaataattt gagcttttcc atgggttaaga gcgatagtct cagaggctgg 120
agaaaatggt cattctgctc agtgatccag gagtgtaggg acagtagctt cctttccacg 180
tccacaagac aatgacagat gtgtttcctt ctttgccctt tctagggatc tttctaggga 240
tgttgattct ctcaaatat ttcaatgtcc catttctgtg tttcttctcc ctccaggggc 300
tgatttacga ttacatgagt cttgtcacia taatttcctc ctttaacatc aaggacaagt 360
tgatcactga gataagagct gatagttcca tttttattca gtctccactt ctgcctgaat 420
tgcccatggt cagtccatag agctacttta gctccagggt tgggtcccggc cnccatcaca 480
tcaagaactg gtttccactg gccttggtt a                               511

```

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<210> 1515
<211> 176
<212> DNA
<213> Homo sapiens

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<400> 1515
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actctatatt ttgctttcat tttgtcttaa aaaaatgaaa tagcaacgct ctatcagtca 120
cacagaggac atgcarattt agcagtattg atattatact ctatcttggt ggattt      176

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<210> 1516
<211> 309
<212> DNA
<213> Homo sapiens

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<400> 1516
ctggggaaaa ccgtgcatta cctgcccacg ctgttcatcg accagctcag caaccgctg 60
aaggacctga tggtcataaa ccgtccacc accgagctgc ccctcaccgt gtcctacgac 120
aagggtctcac tggggcggct gcgcttctg atccacatgc aggacaccgt gtactccctg 180
cagcagttcg ggttttcaga gaaagatgct gatgaggtga aaggaatttt ttagatatac 240
aacttatact tcctggcgct gaccttcttt gtcgcagcgt tccatcttct ctttgatttc 300
ctggccttt                                     309

```

```

<210> 1517
<211> 182
<212> DNA
<213> Homo sapiens

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T0014571001



<400> 1521  
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gttggcattg ctccccagac tgaacagaaa cctggccgcc ggatgggacc tcctttggca 180  
cagacttgac tgtgtaactg cataaactgc agtagcatca ttgccctaga tgccccagga 240  
gacctggcac catgaggatt acagacagtg gaatcttact gtcattctgga cag 293

<210> 1522  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 1522  
ccacgtggga ctttgaagac agcacaacac agtccttccg ctggcatccg ctccggggcca 60  
aggcggagaa atacgaagac agcgttcctc agagtaatgg agagctcaca gtccggggcta 120  
agctggttct cccttcacgg cccagaaaaac tccaagaggc tcaagaaggg acagatcagc 180  
catcacttca tgggtcaactt tgtttggtag tgctaggagc caagaattta cctgtgcggc 240  
cagatggcac cttgaactca tttgttaagg gctgtctcac tctgccagac caacaaaaac 300  
tgagactgaa gtgcgcagtc ctgaggaagc aggcttgccc ccagtggaaa cactcatttg 360  
tcttcagtgg cgtaacccca gctcag 386

<210> 1523  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 1523  
aaaaagccta tcccatactg aattgtggga acctatgaag tgtctcttaa tgtcaattaa 60  
aagtaacagt ggctgcagat attgatttct gaaagtacat gagaatttgt ctctaactat 120  
ggttgaaaca acaaaaacaa atctgaatca ggtagaggtc taccagacac aaactctg 178

<210> 1524  
<211> 319  
<212> DNA  
<213> Homo sapiens

<400> 1524  
wycacagcwg aaatggggca ctgaagtgtg gagscacaka atgcgggagg gcagaaccac 60  
agacaggagg ctgagattga cctcctgagt gcaagctggt ctccccttca cctcctgcac 120  
cctacgcaga tgggtgcttac cataggattg ccgtaaaaca gagacacgca ccagcgagaa 180  
acttttagccc ttagtatccc atcctcagga cagaatcact cttaaacaatg ttgaaataca 240  
tctgcttaga gcttttctat gtgtctatat aatgtatgca taatatacaa ttagaagcat 300  
gtgattttat aacattttt 319

<210> 1525  
<211> 467  
<212> DNA  
<213> Homo sapiens

<400> 1525  
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tagctctgcg aactcagaat gctaccctac cttccctgca ggccgctggt catgtctgga 120  
ctcctggggg cgctattttaa tgtttacccc catctccagt gccccctcca aggctgtgca 180  
gtgtcttggg gctctcaggg ccaacatcga agagatgggg gccacctctt aacacctggc 240

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aacagtctcc cctcatcctg attcctgaca acagacaaaa caccggtttc tagggtttat 300
ctgtttgttt tttgagttga gggttcctca gggccttggc attgctagtg atgggtccct 360
ttgctgtgtg agaacccctt caacccttc ctctccctc tggggatgaa gtgggagtat 420
ttggctcccc atttttgaca aaagggtcga gtgcaggag gtggagg 467

```

<210> 1526

<211> 439

<212> DNA

<213> Homo sapiens

<400> 1526

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aaactgttta ctggagaaaa tcctcgctca tgtccattta ttgttttttt ctgtactgtg 60
atltgtttca agcttaggaa aactagtata ttagagtatg ttctaggaaa ttaaaagatc 120
tggttagagt aaaaagttct ttttaagggt cttactaat tttttcacia ctaagaaaat 180
aatgaagta ttcttaggct gaaattcatc ttattttatc ataaattaga ttgtaggggc 240
agcctacatt tttgtgtatg tgtttttatt tcttaaatga ttgtgtgagc ctggtgacat 300
tttatgggtt ttgtgatcta aactgttttt ccaattcaca tcttttgtcg tgaagtgata 360
ttatactaga gtactgtttg cattgtaaaa atgctttgct ggtgctctgg cattttgtct 420
ttatctcatc acctaattt 439

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<210> 1527

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 582

<223> n = A,T,C or G

<400> 1527

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tcttgccaca aaatctcgaa gagctgccat ttcagggttcg gacagtgaat acacatgtcc 120
actgggaata ctgtgtgtc caggtatcat ttctatgtga ggggtcaacca ggcgggtgatc 180
tggttagacg tgctcatcta ctggagtgtg cacattctgg acatagtaat acctcactgg 240
ttggtaaact ctgtatccat ctactggata atagagtggc ggttgtggtg ctgggtggtg 300
gagcgtgggt ggtattggag aatacatccg gcagtggtag cggcagtatt cagaatcaaa 360
gacgatagat cgagtgtctc atgtgatatt gggatcatgt gtgctcagcc agcgaacccc 420
taggacgaca gggaagaatg gagactgagt cacatcaaat gacagcacct ctcggtgatc 480
tcccaggtca actatcaggt cgtgagtttc gtggacaact gggcccgatg ctatggggcg 540
cccatcaatt gcttccacaa gtattggacc cgcccgggag gncgctcgca agggccgaaa 600
ttccagcac 609

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<210> 1528

<211> 393

<212> DNA

<213> Homo sapiens

<400> 1528

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tgatgtaatg aattcatatt tattgataca gaaaaaatatg atataatcca tctaaaaagc 60
aagttacaaa acagtgtaca gtgtaccata gtacctatga acacaattag tgaagtaatt 120
tgacagagcta taataccaaa tcagaaatta ttttggtaat gaatttatga ttttctctcg 180
tttctgattt tttccatgat ctcatatact ttattctcag aaaacaaaag acaaaacccc 240
acacatacac aaaaataaac gagtaacttc tttacaaccc cagaggctaa gtcagtggga 300

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aaagagggaa atgaatgggt atgagcataa acacagggac aaataaaaga agtttggagc 360  
acagagaaca attcacaat cagaagtcac ttt 393

<210> 1529  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 1529  
atccgataga atccagttca atgaccttca gtctttactc tgtgcaactc ttcagaatgt 60  
tcttcggaaa gtgcaacatc aagatgcttt gcagatctct gatgtgggta tggcctccct 120  
gttaaggatg ttccaaagca cag 143

<210> 1530  
<211> 636  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 330, 504, 583, 591, 625  
<223> n = A,T,C or G

<400> 1530  
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gggttcttga gccccttcac gaccgtcacc atggaagtgt caccattgca gcctgtaa 120  
gaaaatatgc aagtcaacaa aataaagaaa aatgaagatg ctaagaaaag actgtctgtt 180  
gaaagaatct atcaaaagaa aacacaattg gaacatattt tgctccgccc agacacctac 240  
attggttctg tggaaattagt gaccagcaa atgtgggttt acgatgaaga tgttggcatt 300  
aactataggg aagtcacttt tgttcctggn ttgtacaaaa tctttgatga gattctagtt 360  
aatgctgcgg acaacaaaca aagggaccca aaaatgtctt gtattagagt ccaattgatc 420  
cggaaaacaa ttttaattagt atatggaata atggaaaagg tattcctggt gttgaacaca 480  
aagctgaaaa gatgtatgtc ccmnctctca tatttgga gctcctaact tctagtaact 540  
atgatgatga tgaagagaaa gggacaggtg gtcsaaatgg ctnttgagcc naattgtgta 600  
acatattcag taccacaattt actgngggaa acagcc 636

<210> 1531  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 1531  
aaaaggcaga gcattctttt ttcggcaatt ttgataagca aggtgtagat ttacattttt 60  
gtccttgctc ccaacgaaat ggataaaca aaataactta ccatctactc atggaatgtt 120  
gttgtgttag ccagtctgaa ggccacactt aatttttata taactgtctt tagctcttct 180  
tttgacaggg cagg 194

<210> 1532  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 1532  
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100175410501

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 gtttcaatga ctgggaggaa aagggttgga attttttgct ttgggggtccc tcttaacctt 180  
 gtatttttaa ggtctgggac tcaccaaccc tccccctcca accagagaaa ctcaactgcag 240  
 tatctccttg aaagtctggt gacgagtctg tctaagtgtg ggtgagaggc acaggaccaa 300

<210> 1533  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<400> 1533  
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 acctcaagcc ctgaggggca gtcccaaaac ccttacagtg aagatgttta ctcaattgccc 180  
 ccacctctgg tccacactag aaagaagctc gccccacctc cacctgtgag atccgtgaat 240  
 tctcggaatg gcaggggaag ccttgcaacta ggttgcaag aagcatcctc cacatcctgt 300  
 gtcagaaacc ctggtctccg tggcacttgt aactcaccgt gctgtcttct ggtctgtgtg 360  
 tggtcttcaa gccagctcta ggcttcaggc cgagccaggc tcacactcag aaagatgtct 420  
 ccccatcccc attcggggct gacgatgggg ggctgatggc tgcccctgcg tggcctgagt 480  
 cctggtccct ctgaggcagt tgacggggca gtcagatttt t 521

<210> 1534  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 1534  
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 agagttgctg aatgtcactg aacttaccca gaatgccctg attaagtatg aactagtgga 120  
 gtggaagcgg agacagcaga gcgcctgtat tggggggccg cccaatgctt gcttgatca 180  
 g 181

<210> 1535  
 <211> 544  
 <212> DNA  
 <213> Homo sapiens

<400> 1535  
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 gtagagtgtg ttgtgcaacg aattgtgggg agcttggacc caataaggta gccagaatta 120  
 cccacaccat catcatcttc accaccatca ttattgttat cgacatattc caatacactt 180  
 ctgaagggct ggaagagaga aatatgtttg tgcagacagg cggcagcagt atttgatcca 240  
 ccaccacagc tccaccgctt gggggcagta ctgatccacc tgtgctcccc tccctgcccc 300  
 agcctggaag gctaatttca gactcaaaaa aatcaagtac agagcagcgc acccaactcca 360  
 atgagtcatc cccgccact ctagacaaca gcatgctcat gactcaaaact atcttcgtga 420  
 atggttcaaa atatcaagaa ttggtttcca tagtttcttg actaaccaga cacaaaattt 480  
 cccctacatg cagagattca tgtctcaact tcaactgtac attaaactca accgggaaac 540  
 tttt 544

<210> 1536  
 <211> 591  
 <212> DNA  
 <213> Homo sapiens

<400> 1536  
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 acttctcttt tgctagccac agagttgctc actgtggcaa gcctgagctg gtcagaacac 180  
 ctgtgtgtgt gttcctgata cactactaacc acaataagca agtctgcaca catctctatg 240  
 agcccatgac aaagacaaga cattcccaaa gatcagtcac tagagtgcac caacgaaatt 300  
 caagatttga ccaaaacaga ccctgctgcc tcctaaattg ccaattgcct ctcaaaaact 360  
 tacagaaaaa gggacattat aagaattcat agagggagag aagaaaaagc tgctactcct 420  
 agtcattagt acaatgtgct gtgttaatta gatacctcta tataaattag aaaaagtgtc 480  
 ttacttgcac gcttcaataa aatgaatact gagtgtcgta gtgttagatc tgtacagata 540  
 taaatTTTTT gcagctatat aaaagtgtat aagatgggct tttgccattt t 591

<210> 1537  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<400> 1537  
 acttcggggc tccctctccc tgtgcagacc ggttgaataa atgataaaat tactgtttgt 60  
 gtcctctgtg aagtctggat taatggaaaa aaggatttgt gaggctagtc ttaggctgta 120  
 gccaatctgg tgtgtctttt gtgtcttcct gtatggttcc atgataagga ggaatacctt 180  
 aggatagaat gcaagcctag gaccccataa gcctgttggt caagccaacc agcaaactgg 240  
 gcagtaacaa acattgtctg aggtttccat tttgttttac gtccttgga gcttgacctt 300  
 gtaaccacgt ggcagtacct tcttttggcc tctgccattt t 341

<210> 1538  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 1538  
 ggacctgact ttgagtcac cagagacaaa gtgagtgcac tgcacatata gtgtttccag 60  
 acctgactca gcccactctg ctggttaggaa actttatgaa gacgcccccc agaattaaac 120  
 cctaattcaa atgtctcact ctgaatagag accttctgaa ataactcttg tatagagacc 180  
 cagacacgtg ccttttgcct taaaataaaa atatttagcc catgttgttt tatgtatctg 240  
 tctttcagtt agttttgaag gccgcacgg aaaagtgggg cctgtgcacc tgaaaagaaa 300  
 tgtgtatgtt atgtggttgt tggctcttcc tactagagtt atcttgataa ttgtgaagag 360  
 tgg 363

<210> 1539  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<400> 1539  
 ctgtgggggt ccttccagag aggagctgag atacgcctac ctggaggggc ccctgggcct 60  
 ggaggggctc ctacagtgtg ctgggtgaag tgttttcaga ggaccagggt tgaggttggg 120  
 ggcactctcat ccagaccctg ccggcatctg cccagaaacc caagggcccc tccttctctc 180  
 ctctcaatg gaaatgctgg agatgtcctc agtcaccctc tgagcactca cacatcacc 240  
 cttatttggg aatttttctc actctaacct tccttctgca tgacacctct gccccatccc 300  
 caggctctgg cctctctctc tcctcttcta ccctttagca ggtaatgact cagttcccac 360  
 tgaggagcca g 371

<210> 1540  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 1540  
 ctkgacgtga tggagcaggt gagcagtgcc cgtggggcctt gccagagggc tgaggaggac 60  
 cctctctaac cagctccctg tcccccttct tctgtagctt gagttgaaga agacactgct 120  
 ggacaggatg gttcacctgc tgagtcgagg ttatgtactt cctggtgtca gttacatccg 180  
 aaagtgtctg gagaagctgg aactgacat ttcactcatt cgctattttg tcaactgagg 240  
 cagcaatgca ccgttggttt catgtttcat actgtttaca ctagcactgc cctttttggc 300  
 ttaatttagt tcattttgta cctaactgag aactgtgctt tctgatgtag tgatgacaat 360  
 gacagatact cgtttaccaaa aaagcacctt ctgcctgcag cag 403

<210> 1541  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 1541  
 taaaacaaaa ctaaagaaga gaaaatatat tctcgtaaat tatctgaact taaaagatgg 60  
 aagcctggag atagatttgt gataagccat tgctgagtag atcctagagt tcttgataat 120  
 ttcagttggt taaattacaa tagtttgcta tttcctccct cacattttat gttctacagt 180  
 atctagctgc ttgggttttc ctgtatacca tggggccttct gtcactctggg ctttactcag 240  
 tggcatattc cctctgccta aaactctcct cccctctcca ccttagaagt agcttttcct 300  
 agaacgggtt tcccagggtt tcacctaagg tgatagtaca atctacaggg acctgcacat 360  
 gaagaccttt gcatacatgc caggaagttg gactttatct ttggaaaaag ggagcctttg 420  
 aaggtttt 428

<210> 1542  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 1542  
 awttaaatgc ttagcaagca gcaattccac gatggtcaaa ttcctaatat gagagaagta 60  
 gaaataggaa aaatagggtca ccctgatact tatgttttca ttttgcttaa tatacgtttg 120  
 tatatttcaa tataacatta atagatatcg tgtcccttca cagttctaaa gtagtaagca 180  
 aaatgaatta atttaacctg tgcaattaaa accaatttgg aagaatattg aggtagcaca 240  
 ctgttacggg aattagtatg actcagtaat gcagttgaaa gttagtggct cctaattccag 300  
 tatgaatcat ggagatgaga gaaatgatta gataaagaga tatatt 345

<210> 1543  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<400> 1543  
 aatattgaat ttctagaagc agtatattgc ttactgcttc ttaattacgt tatagatgag 60  
 gtggaaatga taaaaactaa agaagcaaga ttaatcttta acacacattt caggctgttg 120  
 taaaagaata aacaatgctt catataaact tctagcaaat gacttcctaa tgaggctctg 180  
 aaacagtcct tagggcacgg aatgtcatca cataattaag cagctttaag cctttattaa 240  
 aaggcttaaa gtcgcaaca atgaaatctg aaacaaactg taccatatta aactttttga 300  
 tgatatttca aattcagtaa aagaaaaaaa ggatgggttca gaataacatc acgtattcta 360

atcctgaaac acataacaaa tgcatctgaa acagcaattc ttaaaaaggt tttgcccttt 420

<210> 1544  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 1544  
ctggcttcac tctactccc tctctgctcg cagcacgtcg gccgccagct ctttgatgtg 60  
ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg caaagcgcag 120  
gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac tgtttattct 180  
ttgcagaaga gcttcattca ctttgttgga accctttagc cgaaagcaga caagccccag 240  
aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact caaactcatg 300  
ggacag 306

<210> 1545  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 1545  
ctgctccggg ccttcacact gaagatcagc gtgtgcatg ccgtcctgga ccacaacccc 60  
ccaggctgta ccttcacagt cctgggtgcac acgagagaag ccgccactcg 110

<210> 1546  
<211> 239  
<212> DNA  
<213> Homo sapiens

<400> 1546  
aaagaaatat gacacggtgt tggatattct aagagacttt tttgaactca gacttaaata 60  
ttaatggatta agaaaagaat ggctcctagg aatgcttggg gctgaatctg ctaaactgaa 120  
taatcaggct cgctttatct tagagaaaat agatggcaaa ataatcattg aaaataagcc 180  
taagaaagaa ttaattaaag ttctgattca gaggggatat gattcggatc ctgtgaagg 239

<210> 1547  
<211> 527  
<212> DNA  
<213> Homo sapiens

<400> 1547  
aaaaattcca gttgagattt ttctggttct ctgtataaag attgactgga acatatacat 60  
tttgggggtt atgtttggag actttggctc ttattcaaac cttccatttt agttggcttc 120  
ttctgacagt gcttcagcat ggaagcaagg agggggcctc attactgcca ggtaagggtta 180  
aaaatctagt ttctctgctg ggtctccatt gtcactaaga aaggaatggc tctgttattg 240  
ctgggcaggg ttggctgttc caactgataa tcctatgtct gggagggtta ggagtgcctc 300  
cttgctgttc ctcttggttg ttccactgac agtggagtgg ccttggtact gctgggtggg 360  
ggttgagagt tctggctctc tactaggag gacacaacct cagtgtagag aggcggggat 420  
accttggtac tgtcaggcac aggcggagggt ccagtctcct tactccacct acccaacagg 480  
gtagcttgag gcacttcatt attgcctagt gagagtggaa gtttagg 527

<210> 1548  
<211> 333

<212> DNA  
<213> Homo sapiens

<400> 1548  
ctgtgggagg agctagtagg ggcggggcta cgtgattgac acttctctcc tcagacttca 60  
agggctacca ctggaccctt cccctgtctt gaaccctgag ccggcaccat gcacggacgc 120  
ctgaaggtga agacgtcaga agagcaggcg gaggccaaaa ggctagagcg agagcagaag 180  
ctgaagctat accagtcagc caccaggcc gtattccaga agcgccaggc tggtagagctg 240  
gatgagtcg tgctggaact gacaagccag attctgggag ccaaccctga ttttgccacc 300  
ctctggaact gccgacgaga ggtgctccag cag 333

<210> 1549  
<211> 438  
<212> DNA  
<213> Homo sapiens

<400> 1549  
ttgacagtgt acgctggagc aggttccagg gtgggggctgc cctgccgcct gcctgctggt 60  
gtgggggaccc ggtcttttct cactgccaag tggactcctc ctgggggagg ccctgacctc 120  
ctggtgactg gagacaatgg cgactttacc cttcgactag aggatgtgag ccaggccccag 180  
gctgggacct acacctgcca tatccatctg caggaacagc agctcaatgc cactgtcaca 240  
ttggcaatca tcacagtgc tcccaaattc tttgggtcac ctggatccct ggggaagctg 300  
ctttgtgagg tgactccagt atctggacaa gaacgctttg tgtggagctc tctggacacc 360  
ccatcccaga ggagtttctc aggaccttgg ctggaggcac aggaggcca gctcctttcc 420  
cagccttggc aatgccag 438

<210> 1550  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 1550  
aaaactaagt tattccaaca ctaaaagcat acaacagcat gccaacagta atatattatt 60  
ctccaagact ttacctatgt aagtgttcaa aactctgcag cattaaacaa cgtgtatgca 120  
aattgttatg gatactttc agaattctaa aaatcaggca agtgcttaaa aggccaacgg 180  
tccaagggat tacatctgca gttt 204

<210> 1551  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 1551  
ccatctgtgg atttgtctgt gcacctattg gctcttctag ctgactcttc tggttgggct 60  
tagagtctgc ctgtttctgc tagctccgtg ttagtccac ttgggtcatc agctctgcca 120  
agctgagcct gg 132

<210> 1552  
<211> 433  
<212> DNA  
<213> Homo sapiens

<400> 1552  
ctgaatagag gtcaacacag ttgcgatgtt gagggatggc ctccaagcac cttttggtgg 60



<212> DNA  
<213> Homo sapiens

<400> 1556  
ctgctgcagc cgcagtttct catccggagt gtaccccgctc atgtcgccgc tggtagcaac 60  
gcaaaaggac acggcgcacc ctcgaactac ggactagtta ctttagcgcg c 111

<210> 1557  
<211> 454  
<212> DNA  
<213> Homo sapiens

<400> 1557  
cgaggactga tcctctagta ctaagtgact ggggatatta caytarccaa cattgggtga 60  
tacatacctk artmatcatw tgaggaygca gtgataarsg satawwmywg tatsatccya 120  
acaygyacta rctcaaaaac tagtgggggc ggattgatct cctgtgggac wkcacatgsc 180  
ctgaaagtga acatgmtcmt ratcacctgc agrgcttgag atggyccmca tkgcwgact 240  
ccgccccyac aktttttgaw tcwacwggag ttaggswgmt yctwgawtta kcctttctac 300  
ctgcctccyg akagrwgcwc wygastwga kgaatssatt gackkctaag rttakacttc 360  
cactaactct gtacgmtgar ctcttactaa tattcgttac cacgctaaga ggctctgctc 420  
caggatctca tcgcgactgg aaggaaacctc cagc 454

<210> 1558  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 1558  
aaagaagtgc agttgatatc taattttacac agtgaaacta gtgatagaaa ataactaatg 60  
aaaaaaaaatc agagactggt ttccaattga ttgacaccta gatctgtcag cctctcttaa 120  
agaaagggga aggagaaaaa aaatctcatc atggaaggca gacaagagtc cacctgacag 180  
agggtggaatc tgatggaatc tgacccatt tcatgataaa cgagaggaaa cataaatgcc 240  
atctcaaata ctaaagcgat gtagtgtagc atgagtgact caatgcaaat tcacagagga 300  
aaagaagtta cggcttagga agtaggacaa taaatacaaa tatttcatct tatttaattg 360  
tgcatgactt cagtgaact accctttgca atgcaataaa tttt 404

<210> 1559  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 1559  
aaactatcag aagagatgag agggaattga tctacaatac tagaatttta tgtgcagaca 60  
aatccacatc tggaaatgaa atcacagtaa gatattttcg ggagaccaa acataaaaat 120  
tgctagaata aatttgccac gaacgagtaa ctagacatta gaaattgact acatagatat 180  
agtaatacta aaagtgtgta aaacaagcaa acacaacaca cacattctca attctttttt 240  
tttctatcaa atatcttcaa cttttt 266

<210> 1560  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 1560



```

aaaactcagt atcttctgaa ccagaggcat ttctgattag cccttccta cctattttcc 60
tagtatcact ctttaatcag cttggggagg tggcagcatt tcatggcctc cgtagtaact 120
cacaatgctt cctggggtat tt                                     142

```

```

<210> 1561
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 1561
aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
ggaaacaaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120
tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttccact 180
cactttgcaa ggaccctctc attctgcaga aagacctaca agtctttctg gtctcaattg 240
caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300
gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcg cttcttcctt tttagtaagt 360
atttttattt cagatgtatt t                                     381

```

```

<210> 1562
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 1562
ggagaaagga gaaccgtaca tgagcattca gcctgctgaa gatccagatg attatgatga 60
tggcttttca atgaagcata cagccaccgc ccgtttccag agaaaccacc gcctcatcag 120
tgaaattctt agtgagagtg tgggtgccaga cgttcggta gttgtcacia cagctagaat 180
gcaggtcctc aaacggcagg tccagtcctt aatggttcat cagcgaaaac tagaagctga 240
acttcttcaa atagaggaac gacaccagga gaagaagagg aaattcctgg aaagcacaga 300
ttcatttaac aatgaactta aaagggttgg cggctctgaaa gtagaagtgg atatggagaa 360
aattgcag                                     368

```

```

<210> 1563
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 32, 332, 333, 346, 361, 381
<223> n = A,T,C or G

```

```

<400> 1563
accwtrsaac tgcawttatt acctatgcta gntttggata agaamtgkyc wtayatgtga 60
kagcaagagg gcacyaraws wrcttsaaca ccaawgggcm ktactwtata kawmcgawgg 120
gcatgctwtm atgaccaact grmtgactgt ttgagaatgg acaargtgct agcgctaaac 180
ctgtccttct tgaacrtggc ttgactaacg kcwttgatac gtttccctca kkasaatact 240
attactasac tttgktgctt gattaccgac tgggtgactc ttgmtctcac ctatgargac 300
agtgttttac acaaactert akggaaaatt gnntttgtmc tgtganctac tcatcygaga 360
nctccctaag ggctaacatt ncatgtttcc gtctcactag ctacacgttc t                                     411

```

```

<210> 1564
<211> 602
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 597, 598

<223> n = A,T,C or G

<400> 1564

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ctagttttaa gatcagagtt cactttcttt ggactctgcc tatattttct tacctgaact 60
tttgcaagtt ttcaggtaaa cctcagctca ggactgctat ttagctcctc ttaagaagat 120
taaaagagaa aaaaaaaggc ccttttaaaa atagtataca cttattttta gtgaaaagca 180
gagaatttta tttatagcta attttagcta tctgtaacca agatggatgc aaagaggcta 240
gtgcctcaga gagaactgta cgggggttgt gactggaaaa agttacgttc ccattctaata 300
taatgccctt tcttatttaa aaacaaaacc aaatgatatc taagtagttc tcagcaataa 360
taataatgac gataataact cttttccaca tctcattgtc actgacattt aatgggtactg 420
tatattactt aatttattga agattattat ttatgtctta ttaggacact atgggtataa 480
actgtgttta agcctacaat cattgatttt tttttgttat gtcacaatca gtatattttc 540
tttgggggta cctctctgaa tattatgtaa acaatccaaa gaaatgattg tattaannat 600
tt
```

<210> 1565

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 214, 291, 295, 345, 375, 442

<223> n = A,T,C or G

<400> 1565

```
ctagtccagt gtgggtggaat tcatccaggg ggctaccocct ggctctctgt tgccagtggg 60
catcatcgca gtgggtgtct tcctcttcct ggtggctttt gtgggctgct gcggggcctg 120
caaggagAAC tattgtctta tgatcacgtt tgccatcttt ctgtctctta tcatgttggg 180
ggaggtggcc gcagccattg ctggctatgt gttnagagat aaggtgatgt cagagttaa 240
taacaacttc cggcagcaga tggagaatta cccgaaaaac aaccacactg nttcnatcct 300
ggacaggatg caggcagatt ttaagtgtg tggggctgct aactncacag attgggagaa 360
aatcccttcc atgtngaaga accgagtcct cgactcctgc tgcattaatg ttactgtggg 420
ctgtgggatt aatttcaacg anaaggcgat ccataaggag ggctgtgtgg aga 473
```

<210> 1566

<211> 53

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 15, 24, 28

<223> n = A,T,C or G

<400> 1566

```
ctagttatta atagnaatca attncggngt cattagttca tagcccatat atg
```

53

<210> 1567

10015474

<210> 1570

<211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 10, 114, 374  
 <223> n = A,T,C or G

<400> 1570  
 ctagtccagn gtggtggaat tccgccgcca tcatgggtcg catgcatgct cccgggaagg 60  
 gcctgtccca gtcggcttta ccctatcgac gcagcgtccc cacttggttg aagntgacat 120  
 ctgacgacgt gaaggagcag atttaciaaac tggccaagaa gggccttact ccttcacaga 180  
 tcggtgtaat cctgagagat tcacatggtg ttgcacaagt acgttttgtg acaggcaata 240  
 aaattttaag aattcttaag tctaaggac ttgctcctga tcttcctgaa gatctctacc 300  
 atttaattaa gaaagcagtt gctgttcgaa agcatcttga gaggaacaga aaggataagg 360  
 atgctaaatt ccgnectgatt ctaatagaga gc 392

<210> 1571  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 1571  
 gaaggacggt tgtgttggaa gccctggtat ccccggcact cctggatccc acggcctgcc 60  
 aggcagggac gggagagatg gtgtcaaagg agaccctggc cctccgggcc ccatgggtcc 120  
 acctggagaa atgccatgtc ctccctggaaa tgatgggctg cctggagccc ctggtatccc 180  
 tggagagtgt ggagagaagg gggagcctgg cgagaggggc cctccagggc ttccagctca 240  
 tctagatgag gagctccaag ccacactcca cgactttaga catcaaatcc tgcagacaag 300  
 gggagccctc agtctgcagg gctccataat gacagtagga gagaaggctc tctccagcaa 360  
 tgggcagtcc atcacttttg atgccattca 390

<210> 1572  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 368  
 <223> n = A,T,C or G

<400> 1572  
 ctgcagcttc tgctgctgag gccgggattg ctacgactgg gactgaaggt gaaagaggtg 60  
 gaatccgaag tcctgggact gcgggatgct aaacattgaa agctgggtgt aggcactgca 120  
 gggagagtgt ggaggtctga cagggttaga atatgtggga gggctgggct aggaatggcc 180  
 ttggaggctg gcctgtgtgg atatggcacc aattctaccc tgctcctctt ttccttttcc 240  
 cagactcaga cgatgccctg ctgaagatga ccatcagcca gcaagagttt ggccgcactg 300  
 ggcttcctga cctaagcagt atgactgagg aagagcagat tgcttatgcc atgcagatgt 360  
 ccctgcangg gagcagagtt tgg 383

<210> 1573  
 <211> 149  
 <212> DNA

```
<400> 1573
cctccagagc ctctctagtg gcagagcagc tcacactccc tccgctggga acgatggctt 60
ctgcctagta cctatccttg tgtttctgat gcagtggtag cattggttca agttctctcc 120
tgctgtggtc agagttgctt cgatgtttgg                                     149
```

```
<210> 1574
<211> 143
<212> DNA
<213> Homo sapiens
```

```

<400> 1574
ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggg 60
agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacacca gag                                     143

```

```
<210> 1575
<211> 112
<212> DNA
<213> Homo sapiens
```

```
<400> 1575
ctgcatccac cctctttcag ggggtagagc cactatactt ctcatgtaga tcagccacat 60
tgtcactgga gactcggatc cagccatcct cccgcacgtg gttagaggttg ac 112
```

```
<210> 1576
<211> 198
<212> DNA
<213> Homo sapiens
```

<400> 1576						
ccagtatgtc	cccaggatta	tgtttgttga	cccattctctg	acagttagag	ccgatatcac	60
tggaagatat	tcaaatcgct	tctatgctta	cgaacctgca	gatacagctc	tgttgcttga	120
caacatgaag	aaagctctca	agttgctgaa	gactgaattg	ttaagaaaaa	aaatctccag	180
qcccttctgt	aatgcctg					198

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<210> 1577
<211> 444
<212> DNA
<213> Homo sapiens
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<400>	1577					
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ctctctatgc	tgacgtcggg	ggaaaacaat	tcctgtgtac	tcgaggccag	gatgtggggc	180
gtcatcaggt	gtcctggagc	ctggaccaca	agagcgccca	cgcaggcacc	tatgagggtta	240
gattcttcga	cgaggagtcc	tacagcctcc	tcaggaaggc	tcagaggaat	aacgaggaca	300
tttccatcat	ccgcctctg	tttacagtca	gcgtggacca	tcggggcact	tggaacgggc	360
cctgggtgtc	cactgaggtg	ctggctgcgg	cgatcggcct	tgtgatctac	tacttggcct	420
tcagtgcgaa	gagccacatc	cagg				444

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<210> 1578
<211> 294
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ctgaggccaac agaataaaatg cagagggcatt acaatgaatc ccacttaata taaagaacta 60						
tacagaccaa	cacttctcta	caaaattttt	ttttcctcat	tgccagttaa	atacagagtt	120
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ttcagtctaa	gcttgtccac	gtacatatgt	gaagctcaat	acaaggtttg	gccctagaat	240
gctaggggaa	cttctttgta	gtttttacag	gtattaaact	tcactttgca	actgaagtc	300
atcacacata	cagggcaaaa	tcagagcttt	tatatattgcg	tttattcttc	atttaacttt	360

ttataacact actatagttt attaaaacaa aaaacaaaga gcaagtagtg agcatattan 420  
gattacagtc ctttcaactca ttcacacct 449

<210> 1582  
<211> 302  
<212> DNA  
<213> Homo sapiens

<400> 1582  
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tggcagacct catgcaatgc cctccatggt aatattcatc agaaaatgga taattagggg 180  
ggccagcaaa aatatcaagg gtcaaatatc gcacatttct gtttaggcca tctatggctt 240  
tcatctcctc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300  
ca 302

<210> 1583  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 1583  
ttctgtctcc gtgggaacca cgagtgtgcc agcatcaacc gcatctatgg tttctacgat 60  
gagtgaaga gacgtacaa catcaaactg tggaaaacct tcactgactg cttcaactgc 120  
ctgcccatcg cggccatagt ggacgaaaag atcttctgct gccacggagg 170

<210> 1584  
<211> 368  
<212> DNA  
<213> Homo sapiens

<400> 1584  
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cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120  
aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180  
cgaggcagga gaattacttg aacgcaggag aatcactgca gcccaggagg cagaggttgc 240  
agtgagccga gattgcacca ctgactcca gcctgggtga cagagcaaga ctccatctca 300  
gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcaccct gaagtcagcg 360  
ggcccagg 368

<210> 1585  
<211> 392  
<212> DNA  
<213> Homo sapiens

<400> 1585  
caaccctctc tcctcagcgc ttcttctttc ttggtttgat cctgactgct gtcattggcg 60  
gccctctgga gaaggccctg gatgtgatgg tgtccacctt ccacaagtac tcgggcaaag 120  
aggggtgacaa gttcaagctc aacaagtcag aactaaagga gctgctgacc cgggagctgc 180  
ccagcttctt ggggaaaagg acagatgaag ctgctttcca gaagctgatg agcaacttgg 240  
acagcaacag ggacaacgag gtggacttct aagagtactg tgtcttctg tcctgcatcg 300  
ccatgatgtg taacgaattc tttgaaggct tcccagataa gcagcccagg aagaaatgaa 360  
aactcctctg atgtggttgg ggggtctgcc ag 392

<210> 1586  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 1586  
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 tccccctcgg gctccaggcc cccactgaga ccctctcgga ggcagaagca cttcaccct 120  
 cagagtccta caagtccaac cagtggacct ggaattgg 158

<210> 1587  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 1587  
 ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc tcttaattac 60  
 tagacctcag tactgaatca ggacc 85

<210> 1588  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 363  
 <223> n = A,T,C or G

<400> 1588  
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 gggcaggagg ggggacgagg gctcccacaa catgattttg tgtaaaatat ggcagcgaca 180  
 cacgctcagg gccgggagggt ggggggttagg gtggggacgg cggcaacatc gtgtaaaaaa 240  
 gtgtccagct tcccatagca aagagagctg tgaccgggtg ttcagagctt ctccagtaca 300  
 agggggaaag ccgcccggcg ggggcggcgg gcagggacat catttggttt cctggtgctg 360  
 tcngtccga 369

<210> 1589  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 1589  
 ctgtagcttc tgtgggactt ccaactgctca ggcgtcaggc tcagatagct gctggccgcg 60  
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 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180  
 agtgtggcct tggtggcttg aagctcctca gaggaggcg ggaacagagt gaccgagggg 240  
 gcagccttgg gctgaccag gacggtcagc ttggtccctc cgccgaacag tacaaaggga 300  
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 g 361

<210> 1590  
 <211> 434



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 397  
<223> n = A,T,C or G

<400> 1590  
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tcgggacact ctccctttgg gatgtactgc atggtgttct tgggtgctgta tgtgcaggca 120  
cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc 180  
tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240  
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ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360  
agcctgtcac tgacgttgac cctgggcgag gctgacnaca accactatgg ataccgcac 420  
tcctcctcct gagg 434

<210> 1591  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 409  
<223> n = A,T,C or G

<400> 1591  
gctttcgcca gaaaatgttg catgtcaaac aatatgtgat ccatactgtg tgtcgtcctt 60  
gggggtttat ttgactttgt cacaatgaca gccaacagtg agactgataa gcctgtaaaa 120  
ataaaaaaat aagactaatc aaatagacat ggcattttta tctcaaagtg caaaatcatc 180  
taactgaaaa tgacggcatt gagaaattcc agtgggttaa aatgaatcaa aacttcatta 240  
cgcaggcagt ggaagtgtgt tgaaagattt accaggggtg tcaagtttta gacactcaga 300  
aaggcaccat tctagccatc ttgattggat aacatgtata tacttatgtc cctacgatat 360  
tcaaaagata atactgtttt agtacaaaac aatcaaaca ggcaaagant caaaaccaag 420  
ccaacccaaa tatccccag 439

<210> 1592  
<211> 74  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 53  
<223> n = A,T,C or G

<400> 1592  
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aaaaaaaaaa aaaa 74

<210> 1593  
<211> 288

<212> DNA  
<213> Homo sapiens

<400> 1593  
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agctttggtg caattcccat cgaccagagt tgggtccgacc agccttgga aggtcactga 120  
aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagc 180  
caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240  
tctgtgccac gtgggaggcc gtggagaagt gtaaagatgc aggattgg 288

<210> 1594  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 1594  
ccacacagac tcaccaagcc acagacttgt cttccacaag cacgttctta ccttagccac 60  
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aaataccaag gggaacagtt aacttcaata caaggtcaaa atcagcaaca agttctacaa 180  
tccagtgtcg atatcagata caagcttcaa ggacaatttc ttttgaagg cttattccag 240  
tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300  
acccatgcag caaatgctac gcatctgctg agtccgttta gaagcatttg cgggtggacga 360  
tggaggggcc cgactcgctg tactcctgct tgctaattcca catctgctgg aagggtggaca 420  
gtgaggccag gatggagcca ccgatccaca ccgag 455

<210> 1595  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 360  
<223> n = A,T,C or G

<400> 1595  
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gggcaggagg ggggacgagg gctcccacaa catgatattt tgtaaaatat ggcagcgaca 180  
cacgctcagg gccgggaggt ggggggttag gtggggacgg cggcaacatc gtgtaaaaaa 240  
gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcgagcttc tccagtacaa 300  
gggggaaagc cgcccggcgg gggcggcggg caggggacatc atttggtttc ctggtgctgn 360  
cagtccg 367

<210> 1596  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 1596  
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ctgtcgggga gtaccttcaa ctggccctac ggctcggggc agtgaccatg acggggccac 120  
gtgtgctgtg gccaggcctg cagacagacc tcaagggaca gggaatgctg agggcccggg 180  
aggcccctcg agg 193

<210> 1597  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens

<400> 1597  
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 ggatgttgca gccaggata gaagg 145

<210> 1598  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 1598  
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 ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcactact gtgctgcaa 120  
 agctgggtcc atgacaactt ctgggtggggc gagagcaggc atggcaacaa atcccaagtt 180  
 aggtcttcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt ttagttact 240  
 tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggaagacaa tggatttcgc 300  
 cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360  
 acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420  
 tacatcaaac attatgatgg cacac 445

<210> 1599  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 1599  
 cctgccccag ggggaagcac ggacccgaga cgacggcgat gaggaagggc tcctgacaca 60  
 cagcgaggaa gagctggaac acagccagga cacagacgag gatgatgggg ccttgagta 120  
 agcagcctga caggagcaat gg 142

<210> 1600  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 1600  
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 acagcgcttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtacccgt 120  
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180  
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240  
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 1601  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 1601

10017541001

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ctggagatga tcctcaacaa gccagggctc aagtacaagc ctgtctgcaa ccaggtggaa 60
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ctggttgccct atagtgtctt gggatcccac cgagaagaac catgggtgga cccgaactcc 180
ccggtgtctct tggaggaccc agtcctttgt gcctcggcaa aaaagcacia gcgaacccca 240
gccctgattg ccctgcgcta ccagctacag cgtgggggtg tggctcctgg 289

```

```

<210> 1602
<211> 398
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> 274, 312, 329, 332, 368
<223> n = A,T,C or G

```

```

<400> 1602
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agacagttca ggaagtcagt cctcgcagat cagggtaaaa gttttgctac tgcattctac 180
cggaatactg agaaggaagg actcaagtac aagtcctaaag tttcactgaa aggcaataga 240
gaaagtgatg gatttagaga agaaaaaaat tatnaactta aagagactgg atatgtagtg 300
gaaaggccta gnactacaaa agataagcnc anagaagaag acaaaaaattc tgaaagaata 360
acagtaanga aagaaactca gtcacctgag caggtaaa 398

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<210> 1603
<211> 438
<212> DNA
<213> Homo sapiens

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<400> 1603
ctggtgatct gctttcttac cctaactctt gacaaatgag tcgtctacta ttttaaagag 60
tctggaggtc tctgactctg ccataacaat aacctgctgt taatttataa cacagatttt 120
tgtttggaag agccttattt gaaatacact ttgattcatt ttcttaaata tttatattct 180
tttcttgctt acttcagggt tggtagctta gttggaagtg ccagcacctg gcacctattc 240
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atcttctattt tgtgtgtact atagtcttgt gcatatgtag ttgaacacac agtgaaatat 360
atgtctctct ttgtggatgt gcggcctaaa aatttgaatg tctggtgaga gagagccatg 420
tgtataggtc agagaaaa 438

```

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<210> 1604
<211> 297
<212> DNA
<213> Homo sapiens

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```

<400> 1604
cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtcttg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

```

```

<210> 1605
<211> 451

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<212> DNA  
<213> Homo sapiens

<400> 1605  
ggaaaggcta ttgtttctcg acagtttgtg gaaatgaccc gaactcggat tgagggctta 60  
ttagcagctt ttccaaagct catgaacact ggaaaacaac atacgtttgt tgaaacagag 120  
agtgtgaagat atgtctacca gcctatggag aaactgtata tggtagctat cactacaaa 180  
aacagcaaca ttttagaaga tttggagacc ctaaggctct tctcaagagt gatccctgaa 240  
tattgccgag ccttagaaga gaatgaaata tctgagcact gttttgattt gatttttgct 300  
tttgatgaaa ttgtcgcact gggataccgg gagaatgtta acttggcaca gatcagaacc 360  
ttcacagaaa tggattctca tgaggagaag gtgttcagag ccgtcagaga gactcaagaa 420  
cgtgaagcta aggctgagat gcgtcgtaaa g 451

<210> 1606  
<211> 272  
<212> DNA  
<213> Homo sapiens

<400> 1606  
ccggagccca cgggtggtcat ggctgccaga gcgctctgca tgcctgggct ggtcctggcc 60  
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ccagccaagg acaggttgga ctgcggctac ccccatgtca ccccaagga gtgcaacaac 180  
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgcag 240  
gaagcagaat gcaccttctg aggcacctcc ag 272

<210> 1607  
<211> 444  
<212> DNA  
<213> Homo sapiens

<400> 1607  
ccaggtggt ctcaaactcc tcacctcaac tgatccgccc accttggcct cccaaagtgc 60  
tgggattata ggtgtgagcc accgtgccca aagttaagta tttttgatca agtggtttgt 120  
cttttgtgca aggcatttgt ggctctgtca tagcagagga aaacaaaaca tgcctatcaa 180  
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acctgtcatt ctcatctggc ataccaggtg tacatactcc ttcttattct cctctgttac 300  
caagatgttg gccccatttg gtttgaggtc acgaacttca caaactccaa actcttggac 360  
ctcagtgtcg aaggtgaggt catagcctag tgtggagaca tcattttcca gcagataaac 420  
cagaccttgg tagaagtggg aatc 444

<210> 1608  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 1608  
caaaatccaa aacttctctt gaaaagtcca gggaccgtcc aggggagatg gggaggagat 60  
atggagttag tcacctgctc cagaagatgc cagcttctct ctccagggtg cttagttggc 120  
tttgcccacc cctcactccc caggagctc tggggacagc ttcctcgcac ccctgtccca 180  
cccacacag 189

<210> 1609  
<211> 426  
<212> DNA

<213> Homo sapiens

<400> 1609

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cttgtagcag agcagtatta acacctagt tgggtcacctg gaaaacagag aggctgaccg 180
tgagggtcac catgcggatg cgggtcacac ggaatgctgg agagatgtta tgtaatatgc 240
tgagggtggc acctcagtgg agaaatgtaa agactgaatt gaattttaag ctaatgtgaa 300
atcagagaat gttgtaataa gttaaagcct taagagtatt taaaatatgc ttccacattt 360
caaaatataa aatgtaacat gacaagagat tttgcgtttg acattgtgtc tgggaaggaa 420
gggcca 426
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<210> 1610

<211> 447

<212> DNA

<213> Homo sapiens

<400> 1610

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cagggtctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatgggtg 60
acttcttggg agtgggggac caccagggtt cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggtcaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
accgccctcc agcatgggca acatagcaag accctgcctc ttaagataaa aattggaaaa 240
cactggtagg aaaaaaaggc tgtttggctc aaataagtct ggattgggta taaatgacac 300
aaaactatca tgaatttgaa agcatttcta atttcttgaa agtctgaaaa agtttaaaaca 360
gaatttttagc tgaaaagtcc tgaaagacat ttgaaaaaaa acagcaagaa cacttaaaac 420
tattcaaggt ttgggctggg cacagt 447
```

<210> 1611

<211> 238

<212> DNA

<213> Homo sapiens

<400> 1611

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ccaccggggt tgacctctct cgctagcagg gccacccag ctcaactccc gcgtcttcca 60
tccctcttag gattcccatt gtcccctact ccagcactag gcaggcacc ccagccact 120
gagactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgtc 180
tcagacatcg tgcttcttct ggtgggccag gagtctctcc tcgtcgtcga aggtctgg 238
```

<210> 1612

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1612

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ctgctgcttg taccctcggg agagggtttc ccaactctgag cgggtgggaa ggcaatgcc 60
aacatccggg aaaaataaaa ccaactgtctc cacatgagct ggaactgtac gccccttgtg 120
ggtctcctca gggcgatggt agcgaatctc tgcaaaacgg taccattgtg tgcacacact 180
tagatcaatg cctgtcagag ccttacaaca acgaatagca gtcttaatca acacagaggg 240
atctttttct ggtctctggt catccaacga aggagaccag tggcccccac tgg 293
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<210> 1613

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1613  
 ctggattgac cccaaccaag gctgcaacct ggatgccatc aaagtcttct gcaacatgga 60  
 gactgggtgag acctgctgtg accccaactca gcccagtggt gccagaaga actggtacat 120  
 cagcaagaac cccaaggaca agaggcatgt ctgggttcggc gagagcatga ccgatggatt 180  
 ccagttcgag tatggcggcc agggctccga ctctgccgat gtgg 224

<210> 1614  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<400> 1614  
 ctccaccctg gcgatggctc cctggtccta ctttctctct caaactggct ttttctcatt 60  
 cctttgactc cgccagactt cctcgcccc atgacctggt gttgtgtctg atcaccccaa 120  
 cattcctggc tgcccaatgt ggggcaatga agaccccagt gaaggaatgc tagagtgtgt 180  
 gaaagtggag gacgcatcgt caaaggacac ctgaggacgt ctcaaagaag ctcggcggga 240  
 gagctgagcg ctcggaagaa ccaagaatca tctcttttga aaaatcgatt catcaaatga 300  
 atcttcgggc aacaactggt caagaaggat tcaaatatca caggttccaa gaagtaaagc 360  
 tttggagggtc acaaaattag caatagaagc tgggttccgc catatagatt ctgctcattt 420  
 atacaaataa tgaggagca 439

<210> 1615  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 1615  
 aggcactcct ggaagtgggt cagtcagggt gcaaaaacat tgaacttgct gtcattgaggc 60  
 gagatcaatc cctcaagatt tttaatcctg aagaaattga gaagtatggt gctgaaattg 120  
 aaaaagaaaa agaagaaaac gaaaagaaga aacaaaagaa agcatcatga tgaataaaat 180  
 gtcttttgctt gtaattttta aattcatatc aatcatggat gagtctcgat gtgtagg 237

<210> 1616  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 1616  
 ctgggctcta gtttcattcc atctgtcatt ctcaggtaac agggacacat gtccaagtgt 60  
 tggcccccgt ggcattgatt tagctttggt gataggcatt gcattctttg tgtaatatgc 120  
 aataatggca tgaccagatt catgatatgc tgtgatggtt ttgtttttgt tatcaatttc 180  
 cacacttctt ctttcaggcc ccattagaat tttgtctttg gaaaactcca gtccttcat 240  
 ggtaaccatt tcttttccat caacag 266

<210> 1617  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 62  
 <223> n = A,T,C or G

<400> 1617  
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60  
 gnaggtttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120  
 ctttagtggt gtgtatgggt atcatttggt ttgagggttag tttgattagt cattgttggg 180  
 tggtg 185

<210> 1618  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 201, 214, 225, 230, 232, 241, 245, 249, 278  
 <223> n = A,T,C or G

<400> 1618  
 ctgttaacag ataagtttaa cttgcatctg cagtattgca tgtagggat aagtgcctat 60  
 ttttaagagc tgtggagttc tttaatatca accatggcac tttctcctga ccccttcct 120  
 aggggatttc aggattgaga aatttttcca tcgagccttt ttaaaattgt aggacttggt 180  
 cctgtgggct tcagtgatgg ngatagtaca catntcactc agagngcatn tntgcatctt 240  
 ntaanatana tttcttaaaa gcctctaaag tgatcagntg ccttgatgcc aactaaggaa 300  
 atttgtttag cattgaatct ctgaaggctc tatgaaagga atagcatgat gtgc 354

<210> 1619  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 145, 146  
 <223> n = A,T,C or G

<400> 1619  
 ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgtcc tgggactcgg 60  
 agactatggc ctgcctccc caccctcctc ttggaattac aagccctggg gtttgaagct 120  
 gactttatag ctgcaagtgt atctnncttt tatctggtgc ctctcaaac 170

<210> 1620  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 1620  
 cctgttgatt gcatactgta gaagatttga tgttcagact gggtcttctt acatatacta 60  
 tgtttcgtct acagttggta aatttttgggt tttctttgta tttaatgttg aattgtattg 120  
 tctggaggaa aagacagagg tctaaaaata aagaaggagt acagtttggg catggtgggt 180  
 caccctgga gtcctagcac tttggggggc aaggcaggca gattgcttga gcccaggagt 240  
 tctagatgag cctgggcaac atagtgagac cccatctcta aaaaaacagt tttaggggcca 300  
 ggcacagtgg ctcacacctg taagcccagc actttgggag gccgaggcag gcagatcata 360  
 agggcaagag attgagacca tcctgg 386



<210> 1621  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 267  
 <223> n = A,T,C or G

<400> 1621  
 ccaattctgc ccgttccccg tgggcccaaca aacttggggt tgtatgcgtc tggaaccctg 60  
 tgatagtctt cggcttgcca gcctggccca ccacatccac tgcttggccc acacggacag 120  
 aacttggcaa tggccgcagc tcctcatcaa acgtaaccag cattcggggc tgcattggcag 180  
 ccaccagccc atacaatata tagtgtgatt tgcctagaat aatgtttcga acatccagga 240  
 aagagacaag cacagtgcgc agtccancca cggccacctg gtcataaagc tgcgggtcgc 300  
 tgtggtaggg gcagagggtg aggggtgccct tccctaaatg tgtcag 346

<210> 1622  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 1622  
 ggaagtttgt gctctctgcg tggctaagtt ttccacctac taggaacggg gtgggggtggg 60  
 gagaacaggt gtccttctaa aatacagcac aagctacagc ctgcgtccag ccataaccca 120  
 ggagtaacat cagaaacagg tgagaatgac cactttaact caccggggcc gtcgcactga 180  
 aataagcaag aactctgaaa agaagatgga aagtgcaggaa gacagtaatt gggagaaaag 240  
 tccagacaat gaagattctg gagactctaa ggatatccgc cttactctta tggaagaagt 300  
 attgcttctg ggactaaaag ataaagaggg gtacacatct ttctggaatg actgcatatc 360  
 atcagg 366

<210> 1623  
 <211> 165  
 <212> DNA  
 <213> Homo sapiens

<400> 1623  
 ctgttgattg gctgtgacac tgcttttgtgt catcttctta ccatgatcaa aggcgaagga 60  
 agggatctct tttgggacat tgtgattgtt ttagcagaga gagaaagaga tgaaatacac 120  
 ttcggttttc tcttaaaaga tgcattgtatc atacagtgtc ttaag 165

<210> 1624  
 <211> 227  
 <212> DNA  
 <213> Homo sapiens

<400> 1624  
 ccaatgcccg gagcaggccc tctttccatc ccctgtcgga tgagctgggc aactatgtca 60  
 acaaacggaa taccacgtgg caagccgggc acaacttcta caacgtggac atgagctact 120  
 tgaagaggct atgtggtacc ttcttgggtg ggcccaagcc accccagaga gttatgttta 180  
 ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

<210> 1625

<211> 373  
 <212> DNA  
 <213> Homo sapiens

<400> 1625  
 ctgtagcttt tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60  
 tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctccgcctt gacggggctg 120  
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180  
 agtgtggcct tgttggcttg aagctcctca gaggagggtg ggaacagagt gaccgagggg 240  
 gcagccttg gctgacctag gacggtcagt ttggtccctc cgccgaacac ccgaagataa 300  
 ttagtgctgt ctgttgagta acaatagtag tcaccttcat cttccacctg ggccccagtg 360  
 atggtcaagg tgg 373

<210> 1626  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<400> 1626  
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60  
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120  
 aatacaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccaactac tcagaaggcc 180  
 gaggcaggag aattacttga acgcaggaga atcactgcag ccctggaggc agaggttgca 240  
 gtgagccgag attgcaccac tgtactccag cctgggtgac agagcaagac tccatctcag 300  
 taaataaata aataaataaa aagcgctgca gtagctgtgg cctcacctg aagtcagcgg 360  
 gcccagg 367

<210> 1627  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 1627  
 ctggataagg acatcaatac cttctctatg cgtgtcaggg tgtggtacgg gtatcacttt 60  
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagttttatt 120  
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180  
 ggggccaagg ctaaggctat tctggatgcc tcacggctct ccatgggcat ggacatatct 240  
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtctt atctgaatac 300  
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360  
 gccctaattg gggaagcggc aggtgcacgt ctcatcgcac atgctggcag cctcaccaac 420  
 ctgg 424

<210> 1628  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<400> 1628  
 tcgactgtta tagcttagaa agcaacacta ctactatgag actataaaac attaaactat 60  
 tttaagaaaa ccagcgtgtg gaaaaatgga gccatttttg tcaaaaagtg gctcaaagca 120  
 caaaactgct cagatgttca agagtcctag gagtctgggc tgcacagtat taaggggtga 180  
 gaggagaccg acagcctgtt tgaatcaggc ttgtgagccc agctcatctg acaacttcaa 240  
 agagcttctc tgcctatata ttccaccgtt tagcataaga caccacttta cgctattttac 300  
 aagtctcctt ttgg 314

<210> 1629  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 284  
 <223> n = A,T,C or G

<400> 1629  
 ctggaccagc accccattga cgggtacctc tcccacaccg agctggctcc actgcgtgct 60  
 cccctcatcc ccatggagca ttgcaccacc cgctttttcg agacctgtga cctggacaat 120  
 gacaagtaca tcgccctgga tgagtgggcc ggctgcttcg gcatcaagca gaaggatata 180  
 gacaaggatc ttgtgatcta aatccactcc ttccacagta ccggattctc tctttaaccc 240  
 tccccttcgt gttttccccc aatgtttaaa atgtttggat ggtntgttgt tctgcctgga 300  
 gacaaaggtg ctaacataga tttaagttga ataacattaa cggtgctaaa aaatgaaaaa 360  
 ttctaaccaca agacatgaca ttcttagctg taa 393

<210> 1630  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<400> 1630  
 ctgcaagaat atcagaaatc aatacaaaaca agtattgaca ggtgttacag acatgcaaaa 60  
 tatccttcaa tgcaacgaat ttttaagaaa tcagctagcc tatattaatc agatgtttta 120  
 ggtcaaaacca agttttccatc tcggggtcag tgaaatagta ttaactcatt gagtctcctt 180  
 tccccagga atgtttggaa tggcagaaca gaaagagcta tcaactccta aattctttta 240  
 tgcgagtgtt actccaacac ttattttact tggtttactt ggaatgtatg agaggaaact 300  
 gatgtttttt acaatgg 317

<210> 1631  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 1631  
 ccttaggcaa gtcaccttac ttatctaaga ctgtttcccc acctggaaga tgcctacaa 60  
 gcctcctgtg gctgtgttta gaaagcatgc ccggcctttc ttgacagcca gccaccccag 120  
 atgatggcag ggcaagggaag actgttagga gtcagagtgc tcccctcagg tggaaggaaa 180  
 ctgggccaac tctactttgt aagccatagg gtgccaggta gcccgccac cctgagcctg 240  
 tgcctccact gccccgcgt gg 262

<210> 1632  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 1632  
 ctggaattaa ttcttcgaca actccagacc gaccttcgga aggaaaaaca agacaaggcc 60  
 gttctccaag cagaagtga gcacctgaga caggacaaca tgagactgca ggaggagtcc 120  
 cagaccgca cagctcag 138

10075410201

<210> 1633  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 17, 55, 80, 81, 94, 95, 106, 107  
 <223> n = A,T,C or G

<400> 1633  
 ccttgaaggg acctcanagc aaaggaagag acctgggtgt ggtgaggcat cccanggcac 60  
 ggaaggggacc ggttgtgctn ngggaatcca ctgnnccctc cttggnnaaa aaagcacaac 120  
 acatcatata tatttaccag accagaagcg ctggcccccac gtctcccccac cctgggtcggg 180  
 ggaacctcct gg 192

<210> 1634  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<400> 1634  
 ctgcttttaa aggtcttaaa tcaactcgaat accttgactt gagcttcaat cagatagcca 60  
 gactgccttc tgggtctccct gtctctcttc taactctcta cttagacaac aataagatca 120  
 gcaacatccc tgatgagtat ttcaagcggt ttaatgcatt gcagtatctg cgtttatctc 180  
 acaacgaact ggctgatagt ggaataacctg gaaattcttt caatgtgtca tccctgggtg 240  
 agctggatct gtcctataac aagcttaaaa acataccaac tgtcaatgaa aaccttgaaa 300  
 actattacct ggaggtcaat caacttgaga agtttgacat aaagagcttc tgcaagatcc 360  
 tggggccatt atcctactcc aagatcaagc atttgcgttt ggatggcaat cgcattctcag 420  
 aaaccagtct tccaccggat atgtatg 447

<210> 1635  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<400> 1635  
 gttttatttg agacataaaa acacatgtgt ttctattaca tagtgtggg tttagggtcc 60  
 tggtttctaa gacaagactt tatttcaccc tgtatcacag cttcctggga aatgaattag 120  
 ggagcaagag acggcctggc aagaaaatca ttattgttgc tgggaagttg caaagaaagg 180  
 ggagagttta ttcaaattag tgtaacagag cccccaggat gaagagagtg gtgcagggaa 240  
 aaggtctaaa ttcttggtgt tgggtggggac actggcacat cccacagcaa ggactcagcc 300  
 ctcaacggcg gcggctgggt cttgggaggg gagtgggtggg agggtaaggg ctccctcagct 360  
 ccct 364

<210> 1636  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<400> 1636  
 ctggctggct agactgtttg tgcgccaaga ggatgggtcag cgctgctttc cagcctggct 60  
 ctgctggggc gctggcatct ggttcagttc caccattctc cctgctttct ttgccaaagt 120





<212> DNA  
<213> Homo sapiens

<400> 1645  
ctggtgctgg aactgcagaa agttaagcag gagaacatcc agctagcggc agacgcccgg 60  
tctgctcgtg cctatcgaga cgagctggat tccctgcggg agaaggcgaa ccgcgtggag 120  
aggctggagc tggagctgac ccgctgcaag gagaagctgc acgacgtgga cttctacaag 180  
gcccgcattg aggagctgag agaagataat atcattttta ttgaaaccaa ggccatgctg 240  
gaggaacag 249

<210> 1646  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 398  
<223> n = A,T,C or G

<400> 1646  
ctgtggccgg attgatgggg cccccacttc ctagggtcga aggcaagttg aaggaagcag 60  
caggagtacc ggaatgaaaa ccttgtttct caaaggactg ctgggttttg gactacacag 120  
aacccgagat atctggcacg cccgtgttac tggaggtgac tgaaacacca gtgttgatc 180  
catgagaccc atatccactc ggctgttgga aaggggtggc cgatgcattc acactgacat 240  
tcacaccatg ctgcttgga gaggtaggag ccacagggaa cacagcaggc ccatactgga 300  
aggtgctggg gagggccggg acccctgtat agtatggcag gctggtgtaa actgtagcca 360  
ggaggcagcg ccgggttcag gaatgtctgc tgcgtggnat ggtgagtctg cgtctggttt 420  
ctgttggggg tgg 433

<210> 1647  
<211> 451  
<212> DNA  
<213> Homo sapiens

<400> 1647  
ccagcttgca agcacgctgg caaatctctg tcaggtcagc tccagagaag ccattagtca 60  
tttttagccag gaactccaag tccacatcct tggcaactgg ggacttgccg aggttagcct 120  
tgaggatggc aacacgggac ttctcatcag gaagtgggat gtagatgagc tgatcaagac 180  
ggccaggctc gaggatggca ggatcaatga tgtcaggccg gttggtagcg ccaatgatga 240  
acacattttt tttgtggac atgccatcca tttctgtcag gatctgggtg atgactcgg 300  
cagcagcccc accaccatct ccaatgttac ctccacgagc cttggcaatc gaatccagct 360  
catcaaagaa tagcacacag ggggcagctt ggcgggcctt gtcaaagatt tctctgacat 420  
tggcctcaga ctccccaaac cacatggtga g 451

<210> 1648  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 1648  
cctaaacgag gatttcagct tccattatgc ccaactccag tccaacatca ttgaggcgat 60  
taatgagctg ctagtggagc tgggaaggac aatggagaac attgcagccc aggtctctgga 120  
gcacattcac tccaatgagg tgatcatgac cattggcttc tcccgaacag tagagg 176

<210> 1649  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400> 1649  
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 ccagttgatg tcattgatca tcaatacttt ctactcgaac aaagagatct ttctgagaga 180  
 gctcatttca aattcatcag atgcattgga caaaatccgg tatgaaagct tgacagaccc 240  
 cagtaaatta gactctggga aagagctgca tattaacctt ataccgaaca aacaagatcg 300  
 aactctcaact attgtggata ctggaattgg aatgaccaag gctgacttga tcaataacct 360  
 tgggtactatc gccaaagtctg ggaccaaagc gttcatggaa gctttgcagg ctggtgcaga 420  
 tatctctatg attgg 435

<210> 1650  
 <211> 246  
 <212> DNA  
 <213> Homo sapiens

<400> 1650  
 ccatgtctgt attgtaactg gtaaaaggct tcaagtcaga ttgatgatca agaaaagtca 60  
 aaaccccagc ccaagattgg gaaagcagggt ggtgggtcca agctttttaa aaattattga 120  
 agctctccat cctgttctgt gagtgtgtct tctctttctc cttcacgtca tagccgtgac 180  
 ccaccgttca tctctgctct tgcgtaaaga tgaccgatgg agtccaaagc caagtggcctt 240  
 caccag 246

<210> 1651  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 171, 172, 303, 344, 354, 357, 366, 367, 379, 391  
 <223> n = A,T,C or G

<400> 1651  
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 tggcgagaag ccggacgagt tcgagtcagg catctcccag gctcttctgg agctggagat 120  
 gaactcggac ctcaaggctc agctcaggga gctgaatatt acggcagcta nngaaattga 180  
 agttgggtgt ggtcggaag ctatcataat ctttgttccc gttcctcaac tgaaatcttt 240  
 ccagaaaatc caagtccggc tagtacgcga attggagaaa aagttcagtg ggaagcatgt 300  
 cgnctttatc ggctcagagg aggaattctg cctaagccaa ctcnaaaaag ccgnacnaaa 360  
 aattanngca aaaagcgtnc caggagccgt nctctgacag 400

<210> 1652  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 1652  
 ctgggggtgc ccatcttctg tgctctgtgg tacatatctg tgtcgcaaaa gtagcgtgcc 60



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cggtacagca agccttcctt ctgctgcttc tccttccagc agttgttccg gaggttggcg 120
atataatcat cttccacatt ccgctcgact gttttgaggc tggagcctgt gtactcttcg 180
gagaaagtgt ctccacata gtagacgaca cccagggtgt cagtgactcg cctgtggatg 240
tggccacag acggtcttgg actcagactg tagggtggac tggagaccat gagctggctg 300
agagctgaca cgagaatcag gatgaggata ggcacag 338

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<210> 1653
<211> 167
<212> DNA
<213> Homo sapiens

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<400> 1653
gcggtggagc cgccaccaa atgcagattt tcgtggaaac ccttacgggg aagaccatca 60
ccctcgaggt tgaaccctcg gatacgatag aaaatgtaaa ggccaagatc caggataagg 120
aaggaattcc tcctgatcgg cagagactga tctttgctgg caagcag 167

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<210> 1654
<211> 1034
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 88, 827, 882, 897, 905, 933, 945, 950, 955, 973, 976, 991,
999, 1010, 1022, 1023, 1024, 1033
<223> n = A,T,C or G

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<400> 1654
atgcatgctc gagcgccgc cagtgtgatg gatatctgca gaattcgccc ttagcgtggt 60
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gaatgattca tctgctttaa tcagtgtgat taatgcagca cccattgccc cgggaaaccgt 180
ttctgctgta ctatctggat actaaaatgt tacggaagta gctctttgtt ctccctcact 240
ctgcccttag ttaatagaaa ttcagactcg ccaagtaagg ctttgtgcat agtgtcttca 300
tgtcgcgtat agttgagcgc gttcttagca gttggcttca tggacagctc attagtgttt 360
tgacttttct taccagcgt taattgaatt cttgctttta gacaacttcc tttttgtagt 420
ggtgaacctt gccctttagt acagttcaag tgaatctgga taattgttca tctttgcttt 480
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tctgcttaaa aaactgtctg acttcgtgaa tatagagacc aagtttacca cttctgatga 600
agagaccaat taagattcat tcctcattct gtttctttcc agtgggagaa gagtcccat 660
gaaataagat gaaactgatt ccatgcacta gtacatgtag gcttctccct tgcgcaaac 720
ttaacaattt gtaggaaact ttgggtcttt ttgtcccaag aaaaaggaat gtcttgacag 780
gcttaaagct tttcgctccc ttgcacctta aaactcgaaa gttagnnaaa atccctttaa 840
agggcttttt ttaatagcca gaacttccca aaaggaatgg cnttttaggg aatttcntag 900
ccatngcttt ttaaatttaa agaaattttt aanaaccttg cccnggggn ggggncccg 960
tccaaaaagg gnggnnaaaa ttcccagcc nacccttng gggggggcn cgttttcctt 1020
tnnngggggg aanc 1034

```

```

<210> 1655
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<400> 1655
atgcatgctc gagcgccgc cagtgtgatg gatatctgca gaattcgccc ttcgagcgg 60

```

```

ccgcccgggc aggtcctact cttctccgtc cattgtacta tctgcccggtg gtgggggatgg 120
cagtaggatc atatttgatg acttccgaga agcatattat tggctccgtc ataatactcc 180
agaggatgcg aaggtcatgt cctgggtggga ttatggctat cagattacag ctatggcaaa 240
ccgaacaatt ttagtggaca ataacacatg gaataatacc catatttctc gagtagggca 300
ggcaatggcg tccacagagg aaaaagccta tgagatcatg agggagctcg atgtcagcta 360
tgtgctggtc atttttggag gacctcggcc gcgaccacgc taagggcgaa ttccagcaca 420
ctggcgcccg ttactagtgg atccgagctc ggtaccaagc ttggcgtaat catggtcata 480
gctgttt 487

```

```

<210> 1656
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 55
<223> n = A,T,C or G

```

```

<400> 1656
atgcatgctc gagcggcccg ccagtgtgat ggatatctgc agaattcgcc cttancgtgg 60
tcgcggccga ggtcctaccc ataatccaga gaggcttgcc cagaggagga ctacgtgggg 120
gacgtgccac cagaacccta cttggggggcg ggatgtcact ccgaggtcaa aacctgctcc 180
gaggtggacg agccgtagct ccccgaaatgg gcttaagaag aggtggtgtt cgaggtcgtg 240
gaggtcctgg gagagggggc ctagggcgtg gagctatggg tcgtggcgga atcggtggta 300
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gacgagggag aggtgccctt gctcgccctg tattgaccaa ggagcagacc tgcccggggcg 420
gccgctcgaa gggcgaattc cagcacactg gcggccgtta ctagtggatc cgagctcggg 480
accaagcttg gcgtaatcat ggtcatagct gttt 514

```

```

<210> 1657
<211> 605
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 78, 91
<223> n = A,T,C or G

```

```

<400> 1657
atgcatgctc gagcggcccg cagtgtgatg gatattctga gaattcgccc tttcgagcgg 60
ccgcccgggc aggtccanac gctgacattg nttctgagtc cttaagcagg aaggatttga 120
aatcctggag cttggcagtc ttgctcttca cctctaagcc aatgttgacc ccttcatcta 180
taaagtccac aactctcccg aagtcacctt cacggaactg tcgagaagtt aaggctgggg 240
ccccaaagcc caggccgccc ggtgtgatgg cacttcggtc tccaggacag gtgttcttgt 300
tggcagtgat ggatacaagc tctagcaccg gctcagcccg agctccatcc aggcccttgg 360
gccgcaggtc caccagcacc aggtggttgt cagtaccacc tgataccagt gagtagcctc 420
gccctagcag ggcattctgc atggcccagc cattcttcag aacctgcagg gagtactccc 480
ggaacatggg ggtgcaggac ctcgcccgcg accacgctaa gggcgaattc cagcacactg 540
gcggccgtta ctagtggatc cgagctcggg accaagcttg gcgtaatcat ggtcatagct 600
gtttc 605

```

```

<210> 1658

```

<211> 784  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> 3, 4, 10, 19, 22, 53, 76, 85, 87, 149, 184, 713, 747

<223> n = A,T,C or G

<400> 1658

```

agnnttccgn cggccctcna gntgcatgct cgagcggccg cgcagtgaga tgnatatctg 60
cagaattcgc ccttancgtg ggcgnangca tgacgctcgg gatcagaact aaaacaagtg 120
agatcacccc tctaattatt tctgaactng gttaataaaa gcttataaga tttttatgaa 180
gcanccactg tatgatattt taagcaaata tgttatttaa aatattgatc cttcccttgg 240
accaccttca tgttagttag gtattataaa taagagatac aaccatgaat atattatgtt 300
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ccccctccac ctgcccatag tcaccaaatt ctgtttttaa tcaatgacct aagatcaaca 420
atgaagtatt ttataaatgt atttatgctg ctagactgtg ggtcaaatgt ttccattttc 480
aaattattta gaattcttat gagtttataa tttgtaaatt tctaaatcca atcatgtaaa 540
atgaaaactg tgctccattg gagtagtctc ccacctaaat atcaagatgg ctatatgcta 600
aaaagagaaa atatggtcaa gtctaaaatg gctaattgtc ctatgatgct attatcatag 660
actaacggac atttatcttc aaaacaccaa attgtcttta gaaaaaatta atngtgatta 720
ccaggtagaa ggacctgccc gggcggnccg ctcgaaaggg ccgaaattcc agccccacct 784
gggc
```

<210> 1659

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 2, 4, 19

<223> n = A,T,C or G

<400> 1659

```

tngngccctc tagatgcang ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttagcgt ggtcgcggcc gaggtccatt aaagataagt ttggctaact attttactga 120
agagactaat ggtcttccct ctgttgtact gctatgtttc ttgatctgtt tttccccaat 180
gtaacagtct acattgaagt ctttagctc tctccatata ctaattgaca tttgttaagg 240
attcaatatt ttgtgaattc tttttaccct taaaatgcat atctttcaga gagataagaa 300
tgaattttgc aataatttat atgcagagtg tgcttatggg tttctgggag ttcaagttag 360
taccacagag tgcttaaaag tacgatgcta aattctaagg ctaatgtaat gactgtagat 420
tatctatgtc cacattgttc aacagaaaata taatgtgaac cacaacataa tttttaattt 480
tctagtagcc atattaaaaa agaaacaagc aaaattaatt ttaataacag tttatgtaac 540
ccagtatat tttttcttcc atgctaagtc ttagatttga gtgtattttg cactcacagc 660
ccttatcctc tttttcttcc atgctaagtc ttagatttga gtgtattttg cactcacagc 660
acatctcaat tctgactgga cctgcccggg cggccgctcg aaagggcgaa ttccagcaca 720
ctgggcggcc gttactagtg gatccgagct ccggtaccaa gcttggcgta atcatggtca 780
tagctgttt
```

<210> 1660

<211> 559

<212> DNA

1001754106991

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 3, 53, 313, 323, 330, 368, 411, 452, 457, 460, 463, 470,  
487, 499, 516, 518, 545

<223> n = A,T,C or G

<400> 1660

```
ccnccgcccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcngaattcg 60
ccctttccag cggccgcccg ggcaggtcca tcagacttct tgggtgcctg gctatatcca 120
atgtgaagta aaaaatatcc caagtcttac accaaaatag aggctctgac ttagaagtat 180
gcttttagct ttctttttaa ataagacatt ctggaagaaa aaaaaagaaa aaggaaagaa 240
aatcaagttt gaaacacagt taacacttat tttggcaaga aagcaaccaa aatctaaaaa 300
gcataaacta tngntccaaa tgnaaaaggn attacagaac aaactgcaag aggggaaaaat 360
taaagccnca ctgaacgaaa aaatacagta tgtctaacat tttggaattg naatttaaac 420
cctaagggca aaagctgaaa aatcatgctt anacctnggn cgngaccacn ctaagggcga 480
attccancac actggcggnc gttactagtg gatccnanct cggtaccaag cttggcgtaa 540
tcctnggcac agctgtttc
```

<210> 1661

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1661

```
ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
ccctttcgag cggccgcccg ggcaggtctg cagtgtccct ttttatatca tgctagtgtt 120
gagacatact tgactaactt ggggaacagtt cgatatattg acaaccgtca acttaagaaa 180
atcaacagct tttggcccca gcgtccaagt gaacttttca tggagtgcag aatctcaaat 240
ggacaaaata ctttgtcttt ttaaatactg aaaatttaat tattagtact atgactgaaa 300
gattcttcat ggctaaaaag ctctgcatca aactcaattc aggaggacct cggccgcgac 360
cacgctaagg gcgaattcca gcacactggc ggccgttact agtggatccg agctcggtag 420
caagcttggc gtaatcatgg tcatagctgt ttc
```

<210> 1662

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 16, 25, 47, 98, 301, 437, 446, 461, 464, 491, 500, 524, 526,  
530, 564, 589, 599, 603, 617, 633, 657, 658, 676, 682, 689,  
696, 709, 726, 738, 742, 751, 753, 755, 762, 773, 776, 779,  
784, 789, 792, 802, 805

<223> n = A,T,C or G

<400> 1662

```
ctcgagcggc cgccantgtg atggntatct gcagaattcg cccttanccg ccgcccgggc 60
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ccaattgaca gcataaaaaat taatagctcc atatcagatc tggaaggggt ttctggggct 180
gtctgatgtc cctatcctgt ttagtgtaac acaatagcag aaaattcttt ctgggtccat 240
ctgctataaa gtcttggtta aacagcatta ctatgaagag gatgaactca cctaccttca 300
```

10017641001

```

natggaggaa aagtgaaaag gacttaggct ttagtcctcc atgacttttc ttaagcacta 360
cctacctgta ataagctgag tgcaaaagga tgccgaagaa aatctgcacc cagaagctgt 420
tagaaagcac tgcagangaa cagggnatga ataaaaataa nagntcttaa taaaccctta 480
agattctttg ntcaaggggn actttgccaa aaggggcaga atangnggggn aaagagttgc 540
ttttaatcta gctctacact ggcntttgaa aataaaattt gccatttng aaatatatng 600
ggntataatt aaaatgnggc tttttacact gngngggcta tataaaaact gggtagtnaa 660
atttccaccg agcatntatg gngatttgnt cacagnaaac ctccgggng gacccacgct 720
aaggngngaa ttccagcnac antggggggg ncngntacct anagtggatc ccnagnctng 780
gggnccccna anctttgggg gngtnaatc                                     809

```

```

<210> 1663
<211> 585
<212> DNA
<213> Homo sapiens

```

```

<400> 1663
ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacgga tgatgaagat 120
gatatctaca aggctaataa cattgcctat gaagatgtgg tcgggggaga agactggaac 180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat 240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag 300
gaagaagatc ttcggaaaga gagtaaagac caactctcag atgatgtctc caaagtaatt 360
gcctatttga aaagggttagt aaatgctgca ggaagtggga ggttacagaa tgggcaaaat 420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctcagtctat ttatcagacc 480
tcggccgcga ccacgctaag ggcgaattcc agcacactgg cggccgttac tagtggatcc 540
gagctcggta ccaagcttgg cgtaatcatg gtcatagctg tttcc                                     585

```

```

<210> 1664
<211> 999
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 2, 5, 10, 22, 83, 150, 176, 189, 264, 275, 283, 286, 302,
311, 318, 338, 374, 524, 528, 531, 536, 541, 606, 611, 614,
616, 621, 634, 635, 636, 644, 659, 682, 688, 702, 715, 723,
726, 768, 777, 779, 789, 796, 802, 810, 819, 831, 836
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 853, 854, 869, 874, 893, 900, 903, 911, 989, 999
<223> n = A,T,C or G

```

```

<400> 1664
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aagtccaaaa ctactcacac gcatctcttn attggggaaa agctgagact attatncatt 180
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aatgcaagca cctnggtata gcattattac tgaaaccact taattcccag ctttttgagt 420
tttttaaaaa aaccacttgc actaagattc acaattcatt gctacatata aattaaagct 480
agtaagaaca cactaacgtc acaagtttct cattctaaag tgcnaaancc ntaatngtct 540

```

```

ngaaagtgga acaggggttaa agggcaaaaa ttaaccccc ccacccaat taaagtttcc 600
tggaangtca ntantntttt naatcccca aggnnnncatt tctnttttaa aaaattggnt 660
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cacccttgng gaaacncttt tngtgggggn cccggtcgna aaaccaacc nccctntaaa 840
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cgntttacc nttaaaatgg gggaattcc cggaaagcgt ttgggggttaa ccccaaaaga 960
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```

<210> 1665

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1665

gctaaagggtg accccaagaa accaaag

27

<210> 1666

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1666

ctattaactc gagggagaca gataaacagt ttcttta

37

<210> 1667

<211> 207

<212> PRT

<213> Homo sapiens

<400> 1667

```

Met Gln His His His His His His Ala Lys Gly Asp Pro Lys Lys Pro
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 20          25          30
Glu His Lys Lys Lys Asn Pro Glu Val Pro Val Asn Phe Ala Glu Phe
 35          40          45
Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Gly Lys Glu Lys
 50          55          60
Ser Lys Phe Asp Glu Met Ala Lys Ala Asp Lys Val Arg Tyr Asp Arg
 65          70          75          80
Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys Asp
 85          90          95
Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys Ser
100          105          110
Glu Phe Arg Pro Lys Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile Gly
115          120          125
Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Leu Asn Asp Ser

```

130	135	140
Glu Lys Gln Pro Tyr Ile Thr Lys Ala Ala Lys Leu Lys Glu Lys Tyr		
145	150	155
Glu Lys Asp Val Ala Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly Ala		160
	165	170
Lys Gly Pro Ala Lys Val Ala Arg Lys Lys Val Glu Glu Glu Asp Glu		175
	180	185
Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu		190
195	200	205

<210> 1668  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<400> 1668  
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<210> 1669  
 <211> 2821  
 <212> DNA  
 <213> Homo sapiens

<400> 1669  
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1001754106001

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<210> 1670

<211> 137

<212> PRT

<213> Homo sapiens

<400> 1670

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Gly	Ala	Pro	Glu	Gly	Pro	Gly	Pro	Ser	Gly	Gly	Ala	Gln	Gly	Gly	Ser
			20					25					30		
Ile	His	Ser	Gly	Arg	Ile	Ala	Ala	Val	His	Asn	Val	Pro	Leu	Ser	Val
		35					40					45			
Leu	Ile	Arg	Pro	Leu	Pro	Ser	Val	Leu	Asp	Pro	Ala	Lys	Val	Gln	Ser
	50					55					60				
Leu	Val	Asp	Thr	Ile	Arg	Glu	Asp	Pro	Asp	Ser	Val	Pro	Pro	Ile	Asp
65					70					75				80	
Val	Leu	Trp	Ile	Lys	Gly	Ala	Gln	Gly	Gly	Asp	Tyr	Phe	Tyr	Ser	Phe
				85					90					95	
Gly	Gly	Cys	His	Arg	Tyr	Ala	Ala	Tyr	Gln	Gln	Leu	Gln	Arg	Glu	Thr
			100					105					110		
Ile	Pro	Ala	Lys	Leu	Val	Gln	Ser	Thr	Leu	Ser	Asp	Leu	Arg	Val	Tyr
		115					120					125			
Leu	Gly	Ala	Ser	Thr	Pro	Asp	Leu	Gln							
	130						135								



<400>	1671															
Met	Ala	Arg	Pro	Glu	Leu	Arg	Pro	Gly	Gly	Gly	Gly	Glu	Ser	Arg	Gly	
1				5					10					15		
Gly	Gly	Asp	Asp	Gly	Ala	Ala	Cys	Arg	Arg	Asn	Ala	Gly	Gln	Gly	Arg	
			20					25					30			
Arg	Gly	Ser	Gly	Gly	Ala	Arg	Gly	Ala	Arg	Ala	Glu	Arg	Arg	Arg	Ala	
		35					40					45				
Gly	Arg	Gln	His	Pro	Leu	Gly	Pro	His	Arg	Arg	Gly	Ala	Gln	Arg	Ala	
	50					55					60					
Ala	Glu	Arg	Ala	His	Pro	Ala	Ala	Ala	Val	Arg	Val	Gly	Pro	Arg	Gln	
65					70					75					80	
Gly	Ala	Glu	Pro	Arg	Gly	His	Asp	Pro	Gly	Gly	Pro	Arg	Gln	Arg	Ala	
				85					90					95		
Pro	His	Arg	Cys	Pro	Leu	Asp	Gln	Arg	Gly	Pro	Gly	Arg				
			100					105								

```
<400> 1672
Met Gly Leu Lys Ser His Val Leu Pro Ala Pro Asn Ser Gln Gly Gln
  1              5          10         15
Gly Ser Leu Cys Ile Phe Val Tyr Val Thr Ser Tyr Met Asp Tyr Ile
      20        25       30
Gln Leu Gln Gly Lys Glu Asn Leu Asp Cys Ser Gly Leu Asn Lys Gln
      35        40       45
Lys Ile Val Phe Pro His Ser Met Asp Ser Gly Asp Gly Trp Leu Met
     50           55       60
Val Leu Val Gln Gln Leu His Glu Gly Arg Gly His Val Leu Asp Pro
   65            70       75       80
Phe Ala Leu Ile Ser Val Leu Val Thr Ser Trp Ser Gln Asp Gly Cys
             85        90       95
Cys Ile Pro Lys Asn His Val Cys Val Gln Gly Arg Arg Gly Gly Gly
          100       105
Arg Gly Arg Ala Lys Leu Ala Gly Pro Val Thr Phe Tyr Gln Lys Val
       115        120
Lys Pro Arg Gln Lys Ser Val Ser Cys Ser Leu Pro Leu His Ile Phe
    130           135       140
Thr
145
```

<210> 1673  
<211> 117

```

<400> 1675
Met Gln Asn Cys Val Pro Val Ser Phe Cys Cys Val Thr Asn His Pro
 1          5          10          15
Gln Thr Trp Gln Leu Glu Thr Asn Pro Val Phe Ser His Asn Pro Met
 20          25          30
Gly Trp Gln Phe Gly Leu Gly Ser Thr Gly Gln Phe Cys Cys Ser His
 35          40          45

```

Leu Gly Ser Leu Met Glu Leu Arg Ser Ala Val Thr Ser Ala Gly Pro  
 50 55 60  
 Gly Trp Ser Arg Ile Ala Leu Leu Thr Cys Leu Ala Gly Asp Arg Leu  
 65 70 75 80  
 Leu Ala Gly Ile Ala Trp Phe Ser Ser Met Trp Pro Leu Gln Gln Ala  
 85 90 95  
 Ser Ser Gly Leu Phe Thr  
 100

<210> 1676  
 <211> 1336  
 <212> DNA  
 <213> Homo sapiens

<400> 1676  
 ctctaagcag catgtaacct ggcctgcac caggaaatag aggacttcgg atccttctaa 60  
 ccctaccacc caactggccc cagtacattc attctctcag gaaaaaaaaa aaggtcccca 120  
 cagcaaagaa aaggaatagg atcaagagat acgtggctgc tggcagagca agcatgaatt 180  
 cgatgacttc agcagttccg gtggccaatt ctgtgttggt ggtggcacc cacaatgggt 240  
 atcctgtgac ccaggaatt atgtctcac tgcccctgta tccaaacagc cagccgcaag 300  
 tccacctagt tcctgggaac ccacctagtt tgggtgcgaa tgtgaatggg cagcctgtgc 360  
 agaaagctct gaaagaaggc aaaaccttgg gggccatcca gatcatcatt ggccctggctc 420  
 acatcggcct cggctccatc atggcgacgg ttctcgtagg ggaataacctg tctatttcat 480  
 tctacggagg ctttcccttc tggggaggct tgtggtttat catttcagga tctctctccg 540  
 tggcagcaga aaatcagcca tattcttatt gcctgctgtc tggcagtttg ggcttgaaca 600  
 tcgtcagtg c aatctgctct gcagttggag tcatactctt catcacagat ctaagtattc 660  
 cccacccata tgccctaccc gactattatc cttacgcctg ggggtgtgaa cctggaatgg 720  
 cgattttctg cgtgctgctg gtcttctgcc tcttgagtt tggcatcgca tgcgcatctt 780  
 cccacttttg ctgccagttg gtctgctgtc aatcaagcaa tgtgagtgtc atctatccaa 840  
 acatctatgc agcaaacc a gtgatcacc cagaaccggt gacctacca ccaagttatt 900  
 ccagtgaat ccaagcaaat aagtaaggct acagattctg gaagcatctt tctactgggac 960  
 caaagaagt cctcctccct ttctgggctt ccataacc a ggtcgttctt gttctgacag 1020  
 ctgaggaaac gtctctccca ctgtttgtac tctcaccttc attcttcaat tcagtctagg 1080  
 aaacctgct gtttctctat caagaagaag acagagattt taaacagatg ttaaccaaga 1140  
 gggactccct agggcacatg catcagcaca tatgtgggca tccagcctct ggggccttgg 1200  
 cacacacaca ttcgtgtgct ctgctgcatg tgagcttggt ggtagagga acaaatatct 1260  
 agacattcaa tcttcaactt ttcaattgtg cattcattta ataaatagat actgagcatt 1320  
 caatgtgaaa aaaaaa 1336

<210> 1677  
 <211> 250  
 <212> PRT  
 <213> Homo sapiens

<400> 1677  
 Met Asn Ser Met Thr Ser Ala Val Pro Val Ala Asn Ser Val Leu Val  
 1 5 10 15  
 Val Ala Pro His Asn Gly Tyr Pro Val Thr Pro Gly Ile Met Ser His  
 20 25 30  
 Val Pro Leu Tyr Pro Asn Ser Gln Pro Gln Val His Leu Val Pro Gly  
 35 40 45  
 Asn Pro Pro Ser Leu Val Ser Asn Val Asn Gly Gln Pro Val Gln Lys  
 50 55 60

100175410001

```
<210> 1678
<211> 177
<212> PRT
<213> Homo sapiens
```

Thr 1	Arg	Pro	Arg	Arg 5	Ala	Ala	Gln	Gly	Arg 10	Arg	Glu	Ala	Pro	Pro 15	Gly
Gly	Glu	Pro	Glu	Pro	Arg	Ala	Ser	Leu	Ala	Ala	Pro	Gly	Glu	Arg	Ser
			20				25						30		
Arg	Ser	Arg	Ala	Gly	Asp	Arg	Gly	Val	Glu	Ala	Gly	Pro	Arg	Arg	Gly
		35					40					45			
Arg	Gly	Arg	Asn	Ala	Arg	Cys 55	Pro	Gly	Thr	Gly	Pro	Asn	Pro	Pro	Ala
	50					55					60				
Ala	Arg	Asn	Gly	Met	Ala	Arg	Pro	Glu	Leu	Arg	Pro	Gly	Gly	Gly	Gly
65				70					75						80
Glu	Ser	Arg	Gly	Gly	Gly	Asp	Asp	Gly	Ala	Ala	Cys	Arg	Arg	Asn	Ala
				85					90					95	
Gly	Gln	Gly	Arg	Arg	Gly	Ser	Gly	Gly	Ala	Arg	Gly	Ala	Arg	Ala	Glu
			100					105					110		
Arg	Arg	Arg	Ala	Gly	Arg	Gln	His	Pro	Leu	Gly	Pro	His	Arg	Arg	Gly
		115				120						125			
Ala	Gln	Arg	Ala	Ala	Glu	Arg	Ala	His	Pro	Ala	Ala	Ala	Val	Arg	Val
	130					135					140				
Gly	Pro	Arg	Gln	Gly	Ala	Glu	Pro	Arg	Gly	His	Asp	Pro	Gly	Gly	Pro
145				150						155					160
Arg	Gln	Arg	Ala	Pro	His	Arg	Cys	Pro	Leu	Asp	Gln	Arg	Gly	Pro	Gly
				165					170					175	



<210> 1682  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 1682  
 aaattaca'ct ccataaattt agacatatgt ctctccaagt aagtacgagc tgattgggaa 60  
 cgggctccaa tggacatggc tctgcagtca aaatagttag cagatggaca ggtttgaaa 120  
 atgtgagggc ccatatcatc ataaccagca ataaggagac caacaccata tggctcccg 180  
 ccatatcggt gtgttggtat ctgggtctct tagactgggt aacgagcttg ttttaacaag 240  
 gaatgaagta ctgtctttat tttcaaatta tacattatta acaaaggtct ctggcttatt 300  
 ctttaattgt tgcataatcc accagagaaa taatgcaata ggacactatt tctttggcct 360  
 aatataaaat gtttgacttt ctaccgaacc taagaaagag tgccagcaaa ataatttctt 420  
 cccatctaaa acctgatttg ttttggtac aaggggggtct aggatttctt gggacatcta 480  
 gaaccattaa gaaacttt 498

<210> 1683  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 1683  
 aaaaattaaa aatagcacia ttctacaatt ctgattttac caagaaaata aacctttttt 60  
 ggcacatatt atcctatgaa aatggaaagc tgagtcaggc tgctctgctt ttcacagcac 120  
 aaataagcat tcatgctatc agacttgagg aattaactcg gtgacaaaaa ttcactggaa 180  
 aatagaatcc ttggaaaaat ggggtcagggt gccatccact gagaggcaat gataatgtgt 240  
 gtccttcgtt attagcacia agttaggcag cacactataa ttttagctac atgcaactct 300  
 ataggaacac atgtgggtaa gg 322

<210> 1684  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 51, 182, 188, 195, 203, 220, 246  
 <223> n = A,T,C or G

<400> 1684  
 aaaagatgct gcttccctgt tttcttccag gaacacagag accaacacgg nttcaaacac 60  
 agggcgagct tctcactatt tcctgggaat gttacttctc agcccaacac ttctcttccc 120  
 aagaagttca agttttgaga ctgtttttct ccccgggaaca gtacttaaaa aaaaaaaaaat 180  
 cnttgatntt caaanatggg ttnttttctg gtccctggaan agcatcagta actaaatct 240  
 aagttntcca caatgctgcc cccctgggg ggctaaccgg atgccaaggg aga 293

<210> 1685  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 1685  
 aaattgtcta actcctatcc cagttttctt ttatagtcta aaaacaagga atcacccaag 60

```

taagatactc cttcagagca ctgctgaaaa cggatcaaac gtagagatcc cccagatccc 120
tggttctcaag tgttaaaaat atttttatatt agcacataga atacccttag atatattctg 180
ttatgtttcta aagagtttgt gtttccccct ttttgatgat gtottcaatt tcttctgaga 240
cctttcctgt atagtcattt ggttctattg cttttaactt ctcttgatac tccagcggca 300
aaccattttc ttttgcaccc atgcaaataa tctttttata ctgtggggat gggggagcac 360
tttcgtaatt tgtcatcaga taacttcgac 390

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<210> 1686
<211> 549
<212> DNA
<213> Homo sapiens

```

```

<400> 1686
gggtccagtc caacctgctc ctcattattg taaacatgtg cagaatcaat atggtggaac 60
ccggctttcta ttgccaatth gacggcctct agagctttac ttttaggaac ctgggggagc 120
aaccaaaacgt aatattttct gactaatgtg cctgagagtt agttcgggca caagcagcaa 180
cgttcacaaa aatcagcttt tcctcctttc ttggatgagc tctgtatgta gaatcataag 240
cccatcccag tctgactggg tctttcccat ttagtaataa aggttgggca tagcaggaac 300
ttctgcagtc ccagaaaaat cactgaaagt ggaagtgtcc ccaaaacaat ttcactttca 360
gtgatttttt ggaaaaatca acaggacgca actatagtta cagacataat cttaattatt 420
tttagtatgg tgaaattaac acaaggaaat agccacatgg aaggaattat gaaggaatgc 480
agtgtgaagct cctgtgattc ctctcccacc atgttgacaca gagcgactg actttatcca 540
gcatcatat 549

```

```

<210> 1687
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34, 50, 67, 382, 384, 385, 435
<223> n = A,T,C or G

```

```

<400> 1687
caactgcaaa tgaagatcct ttttgatac ttgntgagaa agacacattn gggggggggg 60
tgtgacnaaa ataacgatgg ccggcttgat cccaagagc tgttaccttg ggtagtacct 120
aataatcagg gcattgcaca agaggaggcg cttcatctaa ttgatgaaat ggatttgaat 180
ggtgacaaaa agctctctga agaagagatt ctggaaaacc cggacttggt tctcaccagt 240
gaagccacag attatggcag acaggctcca tgatgactat ttctatcatg atgagcttta 300
atctccgagc ctgtctcagt agagtactgg ctctttttat aatttggttac cagctttact 360
tttgtgataa aatattgatg tngnntttta cactcttaag tcttaaccac agtcacaatt 420
atcttaatgt agatnataat tg 442

```

```

<210> 1688
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 23, 52, 56, 58, 60, 62
<223> n = A,T,C or G

```

<400> 1688  
 ctgccagcta acagcaagag ctntgagggc atcactgaac agatagcacc tnatgngntn 60  
 tnatgattca aaaatctccc ttgctgttgg atttaccac acgtaggctt ttatttcttc 120  
 ccattacatc tgtttagcca cagaaagcat cgggccatac tcaactgcaga agataagact 180  
 tcctcagaat cttatttgtt tagtgcactc aattttactt cactgtctca tcacttgaga 240  
 gactgggttaa ggcaagaaac ccattttctta acattttttt tgttttcaaa catttgaaaa 300  
 gcaacaccaa aacgtatgca gtttaattcct caatttcttc 340

<210> 1689  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 61  
 <223> n = A,T,C or G

<400> 1689  
 ccagagggcc tgcacatgca atttccagtc cctgccttca gagagctgaa aagggggcct 60  
 nggtctttta ttccagggct ttgcattgac tctattcccc ctctgcctct cccacacctc 120  
 tttggagcaa ggagatgcag 140

<210> 1690  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<400> 1690  
 gagattatta cccagaattc acatgtaggg atggggaagg acaatttttt tttaactaaa 60  
 aaagtgtggc gcaggggtgg ggggtggcaa tcatttttct tcctatacat acaaaggata 120  
 ttgtcaaaaa tggcggttct ctcttgtggc ctgttattct gattgctgct gtatacagtt 180  
 ttgtcactct ttagttttta gtttaagcata ctgatagact ttctctctaa agccattcac 240  
 tccagatttt acctggggaa tattctacat actgcttact ttctctataa aactcatcaa 300  
 taaatcatga aaggcactga gttttgtaaa tcaggaccct aaatgtttta ttgtaataaa 360  
 gtttcagata attattatag ctttgcgttg aagtttgttg ttttttttct caactagtta 420  
 agtcaactgc ttctgaaata actctgtatt gtagattatg cagatcttta caggcataaa 480  
 tattt 485

<210> 1691  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 11, 24, 26, 49, 50, 51, 53, 61, 62, 142, 173, 190, 193, 242,  
 250, 291, 303, 304, 315, 329  
 <223> n = A,T,C or G

<400> 1691  
 gaagaaacaa ngatgacttt tttanaaaca aagcataatg ctggcaatnn ngnggggggt 60  
 nnagttttcc aaacatgtta tcttaaatac ccttttatcc ttacaggttg acataacttt 120  
 gaatgtttta acagcaagaa tnttaagaaa agataaacac cattttattt atntataaaa 180



```

acaaaattan ttncaaatat ttttgacatt gtgatttttt ttttccacat ttctcagcaa 240
anctaattggn attttaatca ttattttttgc ctgtcataag aaaactctta nctgaaatgg 300
ccnnaaaact gtganacatg ctatggaanc tgaatgccgg ac 342

```

```

<210> 1692
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 23, 59, 60, 409, 417
<223> n = A,T,C or G

```

```

<400> 1692
aaaaatgggg ccccaaagac tgntaagagc tcatccccgt ggtctcctat caccgggggnn 60
gggggttcatg tctgatgaga agcttggacg gtactgaaac tcatacatgt aggtgggtgc 120
tccagcatct ctgtgggtcc gggccacaat cacagatggg acaccaaaca tcacatctgc 180
tatcaagtcc aggaacaggt ctttcttttt gacagtgtcg tctgttcctc ctaagtattt 240
ctcagtggct tctggaatca gttccttagc aatgcaaaca aggggatagg acttccacag 300
gagtgcacatg gctgtcttct ggtccagttg cccttcggag agtggatagc tcatcaactg 360
cattggaatc aaccagccaa actcctgctt gttaattccg accatgtang ggacagngtg 420
gaaattcctt tcagcttgaa agctcttcag 450

```

```

<210> 1693
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 20, 51, 52, 58, 62, 286, 323, 333, 375, 385, 399, 401, 402,
407, 410, 426, 432
<223> n = A,T,C or G

```

```

<400> 1693
ctatttttatt aacatcatgn tttaataaat aactggctac ttctaataaa nnggggggnt 60
cngttttacaa cagcccccaa tattccattt tgaccactct gcagaatttg gtgtaaaaag 120
ttgaatgaaa tgtagaccct gagctatcaa gtaattatgt ttcaatataa aaatagagaa 180
ttactcttac aactgaagat tgaacaataa cacaaacaac ctctttgtgg gtttttaggt 240
cggtaaaatt agttgggatc ttaatggctg tctaaagcag gaaganacag aattttaatc 300
tttctgaaga cttctgggaa ctnccttgaa agngatttgt taccttatca gagtttatga 360
gctattattt tggtnaaggc acaangaaag gattcccang nngttgntan tcttttgccc 420
tggaacnaaa anattg 436

```

```

<210> 1694
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 29, 32, 34
<223> n = A,T,C or G

```

<400> 1694  
 attatctgca aggttttttt gtgtgtgtnt tngnttttat tttcaatatg caagttaggc 60  
 ttaatttttt tatctaataga tcatcatgaa atgaataaga gggcttaaga atttgtccat 120  
 ttgcattcgg aaaagaatga ccagcaaaag gtttactaat acctctccct ttggggattt 180  
 aatgtctggt gctgccgcct gagtttcaag aattaaagct gcaagaggac tccaggagca 240  
 aaagaaacac aatatagagg gttggagttg ttagcaattt cattcaaaat gccaaactgga 300  
 gaagtctgtt ttt 313

<210> 1695  
 <211> 522  
 <212> DNA  
 <213> Homo sapiens

<400> 1695  
 ccattttcag gggaagcttg ggagagcaat agtatggtga gccccttaga gatgagcgcc 60  
 tactccttct tggcgaatgc tgccttcaga tgcttaccaa gtggtcactg catctagtaa 120  
 gattatattt ccagtacact tccttagggc agaaacacca tcctatcagg tttggtcagt 180  
 cccttcttca tgaagggagt catggggaat tcctgaaaat tttcttcctt ctgcagacag 240  
 ttggatgagt cccttagaga aggcattccag agacataact aaactgaata tcatcccata 300  
 ttgatttttag gaattgactc taaaactctg tgcagaatct tgtgttgga ttgtatcttg 360  
 acattcctgt tgtgttattt ttcttaactg gagtgtgtgc tgcctttcag gtacaatttt 420  
 tgtgtaataa aagccagtgc attaagttta tatagactac tttctatgca agactgagat 480  
 atggaataga taggaagaga tatgtactgc tgggtacatg ga 522

<210> 1696  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 52, 55  
 <223> n = A,T,C or G

<400> 1696  
 ccagccattg cctggcattt ggtagtatag tatgattctc accattattt gncanggagg 60  
 cagacataca ccagaaatgg gggagaaaca gtacatatct ttctgtcttt agtttattgt 120  
 gtgctggtct aagcaagctg agatcatttg caatggaaaa cacgtaactt gttt 174

<210> 1697  
 <211> 561  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 22, 55, 56, 198, 265, 374, 378, 399, 410, 465, 543, 549  
 <223> n = A,T,C or G

<400> 1697  
 ctgtaatgtt attgcagatc cncatctctc gctcaactgt taatgtctca acctnnagag 60  
 gcacccacc cagcacactg tcagtaaagg ggcagattga aacagtgaga gttaagggta 120  
 cagtagaaaa ttctgcatgt ttgcagtgac tagaatcaga tagtagtgtg gtggtttttt 180

```

tttttaatca ttatgaanag tgggagcttg caggtaaggc ttctgtggtg gtttgaaaag 240
cagaaagcaa taaatgaaac aaagngtttg tgtaatatat tcctgccttg tcttccttcac 300
tcagagttga aataggtttt gcagtaaagc tggaaaaaaa aagaaaacaa atgttcaaaa 360
ctgtgtgtgt tggngggngg aatttccttt gcttatagna gtttcagagn aactatatgt 420
tttttttctt ttctttttca caggcacaga aaactgaatc tgtanataac gagggaaaat 480
gaattgcatg aaaaattggg gttgatttta tgtatctctt gggacaactt ttcctcggcc 540
gcnaccacnc taaggcgcaa t 561

```

```

<210> 1698
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 58, 62, 63
<223> n = A,T,C or G

```

```

<400> 1698
cgagggtctgc cctcgattgt gtattttctgt tggatcaaac actcccatgt taccactngg 60
cnncataatg tatcgatata tattccaagt ggcaacaggt aagttgagaa ggaagatgaa 120
ccagtgcaat gacatgagca gtaatacagt gacaatggta tggccactta aattaaaaat 180
ataacaaaat tgaaaaatag acatataacc aaaaagattc taaatcttgc aaggaaaaaa 240
agaataaagc tgccaataag ttattttt 267

```

```

<210> 1699
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<400> 1699
tgtaagatt ttttttgcta caaagaggag gtggcaatgg tagatccacc cttatgcttc 60
tcagtttagc ataacctctt atggattttc atcaaattca gcgtgttggg cactggaaag 120
agccttttcc ttctcctttt cttactctcc cctcatggtg ttcccctctt aaaggagagg 180
agcttttaat ttacacttac cacctcattt gcttttctgg aggccatgca atataggcgg 240
gactacagag ttaatctcct ttttacaaat gaggccaaga gaagcctcat tggttcacag 300
tcatgcagct catactgtcc acccttgat tctcagatgc aggacaattg cattttagtt 360
ttattttgtg gaggtgcaga atatttactc tttctgtcca acccttgatt ctgccgagga 420
agacactgat ggtttgatga gtgattcag 449

```

```

<210> 1700
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<400> 1700
acatttcaca aataagatgt agctttccaa acaaatccat tcgatgacca ttatcacaac 60
tatattttat tctaatttat aaaacaaaaa atggtttagac aagcacatga tatcaagagt 120
cttcaacaca gtggattcca ttttattaag aaaaaaata gaaaacaagt agtccttaaa 180
ttgtcttagc tctccatagc atacgttata taaaattaaa gttttgcttc caaaaatatg 240
tttccatgtg gtcgtggtgt tgtccagtgc tattagggcc aaagcaccaa agacatgaga 300
agtttaacca tcgacttgct atttttcata aaagctaaac atttccttat aggtctggag 360
taaaatcttc taggcatttt agtgctaaaa gtcacttt 398

```

<210> 1701  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 4, 12, 13, 27, 47, 53, 61, 63, 76, 77, 78, 79, 86, 87, 88,  
 89, 92, 93, 97, 100, 101, 103, 127, 129, 130, 133, 134,  
 141, 142, 143, 147, 149, 152, 155, 164, 166, 174, 185, 188,  
 194, 203, 205, 220, 228, 237, 238, 240, 241, 246, 251  
 <223> n = A,T,C or G

<400> 1701  
 aaanaacact annngacctt agagatnata actgtttgat aatttgncctc agnccgtattg 60  
 ncntaaaaga tatatnnng gggggnnnnt cnntgtnaan ngntgtttgg attgcctgat 120  
 attatancnn ggnggttggg nnntatntna cncantatac ctcnngcgcga accncgctaa 180  
 tggcnagnat catnacactg gcngncgtta ctactggatn cgagctcngt gccaatnncn 240  
 ncgtentcat ngcccta 257

<210> 1702  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9, 476  
 <223> n = A,T,C or G

<400> 1702  
 acctaattna ttgaagtaat aaccaaataa ttttcaatct tgattcaact gtgattcaaa 60  
 tcttacacca tttgcccact tctatgaatt ttatgtataa aattttttta gagtcagagt 120  
 tttttttctt gattaattgg atgtatttca cagaatttcc aactgctcac gttagttttc 180  
 ttccttttag agttgatctc tctaattgtat tagatcttca tgcctttgat agtctctctg 240  
 gaataagttt gcagaaaaaa cttcagcatg tgccaggaac acaacctcac cttgatcaga 300  
 gtattgttac aatcacattt gacgtaccag gaaatgcaaa ggaagaacat cttaatatgg 360  
 ttattcagaa tcttctgtgg gaaaagaatg tgagaaacaa ggacaatcac tgcattggagg 420  
 tcataaggct gaaggggattg gtgtcaatca acgacaaatc acaacgagtg attgtncagg 480  
 ggggtccatg agctctggtg atccgggagg agactccaat gagctg 526

<210> 1703  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 1703  
 gacctccgaa ctgagctcta atttagctga tcagattttg cttgggtaaa gttccttttt 60  
 aatgttctaa agtggtttacg gttctcaa atcagttaaa aactaatttt aggtgg 116

<210> 1704  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

1001754-102501

<220>  
 <221> misc\_feature  
 <222> 209, 230, 235  
 <223> n = A,T,C or G

<400> 1704  
 aaaaattgtg taattgttaa atgtccagtt ttgctctgtt ttgcctgaag ttttagtatt 60  
 tgttttctag gtggacctct gaaaaccaa ccagtacctg gggaggtag atgtgtgttt 120  
 caggcttgga gtgtatgagt ggttttgctt gtattttcct ccagagattt tgaactttaa 180  
 taattgcgtg tgtgtttttt ttttttttna aggggctttg ttttttttn tcaanaaaaa 240  
 t 241

<210> 1705  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9, 12  
 <223> n = A,T,C or G

<400> 1705  
 ggtcctgtnt anacacacat caatatgaaa caaaaaaat ttatataaat aagtcaatta 60  
 aacttcacaa aaactaaaga aacacaagac aaaaatccaa caagcaataa aaactgtaca 120  
 atattgggtca gtctttttata tctgaaaaat gtgtaactta aaaaaaagtt atttatcgta 180  
 taaaaaaagt cttttacatc tgtgttagct ggagtgaataa cttgaagact cagactcagt 240  
 ggaaacagat gaatgtccac ctgcgtttcc tttggagagg atcttgaggc tggaccctct 300  
 gctcacagag gtgagtgcgt gctgggcaga ggtttt 336

<210> 1706  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 1706  
 aggggtggctc tgggagcagt tgtgctgcgg gcttgctggg ggagaactct aactgttgca 60  
 gaaacagagc ttcattggctt gcttaaatta cttagctgga atatttt 107

<210> 1707  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 468, 470  
 <223> n = A,T,C or G

<400> 1707  
 ttttttgctt ggtaattata tattttattat ttagcaaaac tgaagaaaaa aagcacagaa 60  
 ttgtttcaac agatgtctct cattttcagc tagcatttct ctcccaagtt gagctggttt 120  
 aatgtgtttt ggatttcctt cctcaattgg cttatttttt agatcacctg caattcattt 180

10675410691

```

gcaaattgca ataaaacaca ttttagaaaa aaggaacctt caattattag ctttgtttct 240
ttttaaatgt atatatatttg actaatgttt gtgaatgaag ttggctaaca tgtatttagt 300
ttcatttttg cggtatgtaa tataaagttt ttaaaatttt aaatatgggt ttaaccttta 360
tgtgtaaatg attttctagt gtgaccttct aatttaatat tagacgtcta aggtatatct 420
gtaaattaga atccgactat cactctgttc attttttttg aacaaagngn ttaaagaaag 480
cctgaaccag ggaaaaaaaa aaaaaaaaaa aa 512

```

```

<210> 1708
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 28, 36
<223> n = A,T,C or G

```

```

<400> 1708
aatcttctaa aggaagaaca gaccccnag aataanatta cagttgttgg ggttggtgct 60
gttggtcatg cctgtgccat cagtatctta atgaagacta taatgtaact gcaaactcca 120
agctggtcat tatcacggct ggggcacgtc agcaagaggg agaaagccgt cttaatttgg 180
tcacgcgtaa cgtgaacatc ttt 203

```

```

<210> 1709
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

```

```

<400> 1709
ngttgaaaaa atagatccaa tcagtttata ccctagttag tgttttgcct cacctaatag 60
gctgggagac tgaagactca gcccggttgg ggctgcagaa aaatgattgg cccaggtccc 120
cttgtttgtc ctttctacag gcatgaggaa tctgggaggc cctgagacag ggattgtgct 180
tcattccaat ctattgcttc accatggcct tatgaggcag gtgagagatg tttgaatttt 240
tctcttcctt ttagtattct tagttcttca g 271

```

```

<210> 1710
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 58
<223> n = A,T,C or G

```

```

<400> 1710
tacaaaatat tttaattgta agtggtcaga ggaattcttc tggtttctcc cttatggnta 60
tttttaattt gtacaatagt tgcttctgtc aactcagcga caatgccatc atagctttca 120
aatgagatca ccctgtagat cgatggacta tgccttaag ttgcagatgc ataaaggaga 180

```

ctgaggacaa atgggtgaaaa ctgtagttac tgaacccaaa tggtactcag agatatcaa 239

<210> 1711  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 1711  
agtgtaagtg aacacagaag agtgacatgt ttacaaacct caagccagcc ttgctcctgg 60  
ctggggcctg ttgaagatgc ttgtatttta cttttccatt gtaattgcc tgcgccatcac 120  
ag 122

<210> 1712  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 1712  
ttcccataaa taaaagtaca gttttcttgg tggcagaatg aaaatcagca acttctagca 60  
tatagactat ataatcagat tgacagtata tagaatatat tatcagacaa gatgaggagg 120  
tataaaagtt actattgctc ataatgactt acaggctaaa attagtttt 169

<210> 1713  
<211> 392  
<212> DNA  
<213> Homo sapiens

<400> 1713  
tgacagagag gatggcgctg tcgaccatag tctcccagag gaagcagata aagcgggaagg 60  
ctccccgtgg ctttctaaag cgagtcttca agcgaaaagaa gcctcaactt cgtctggaga 120  
aaagtgggtga cttattgggtc catctgaact gtttactgtt tgttcatcga ttagcagaag 180  
agtccaggac aaacgcttgt gcgagtaaat gtagagtcac taacaaggag catgtactgg 240  
ccgcagcaaa ggtaattcta aagaagagca gaggttagaa gtcaaagaac atattcttga 300  
aagttatgat gcattctttt ggggtggtaac agatcataaa gacatttttt acacatcagt 360  
taatatggga ttattaaata ttggctataa aa 392

<210> 1714  
<211> 301  
<212> DNA  
<213> Homo sapiens

<400> 1714  
tgaggaggat attttcccac aggaacaagg gtctccgtga tgacacgggg tctctatagt 60  
catgttgaga gcctaattggc ccttggcata attgctgggtg ttggggtaga aggtgtcttg 120  
gagtttgctc aagtgggtga gagggaggga ggtgccatag acttggagga actggcacga 180  
agccaaggat acaaatccag gcagggtgtg ggggcaggat agggagcagg gccttctact 240  
gaaggagtga ctcaggaagg aggaggggaa ggtgacaagc ccctgggcag gagccctgtg 300  
g 301

<210> 1715  
<211> 194  
<212> DNA  
<213> Homo sapiens

1007754-100907

<400> 1715  
 taaattcagg ctaacttctg aaaatcccgt tttattcacc tcaactgtggt accagtaact 60  
 atactgagtc aggttacttt acagttaact atgtcaccta aaacacaata atccattaac 120  
 actctaataa cagttattgg gtgtggtcat actggaaatt cttaccata tagttgtctt 180  
 gccaatTTTT tttt 194

<210> 1716  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 1716  
 gtaggaatgg gttcttggta cacaagatag tattgttgag ctagttttctg agctctgtgc 60  
 acaagcactc tttaattccc acggacgggg ctctccagc tacagcagcc aaagcatatt 120  
 caatctggac aagtttacca gacgggctga atgtagtcag cgaaaaactg taccgcgcgt 180  
 ccgcc 185

<210> 1717  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3  
 <223> n = A,T,C or G

<400> 1717  
 aanaggctct tgggtggagag gactgtgaag ccgtcggcag gtgtgccctc gggtgtgccc 60  
 tcggcgcttg ctgccttact gacttcaccc tgcttcttct tggatttccg ggcccccttc 120  
 ttgcctcctg cttttttaga tgcaggcttc ttctgggatg gagacttggc ctttttggct 180  
 ggggggtggtg tgatgatggc ttccaacttt ctttggatc cccgcttctt cgctagcaac 240  
 tcgggggtgga tgttgggtaa cacaccccca ctggctatgg tgactccttt tagcag 296

<210> 1718  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 208, 322, 341  
 <223> n = A,T,C or G

<400> 1718  
 atggcattaa ttgttccttg cttttatagg gtgtattttg tacatttttg atttctttat 60  
 ataaggatcat agattcttga gctgttggtg tttttagtgc acttaatat agcttgctta 120  
 aggcatactt ttaatcaagt agaacaaaaa ctattatcac caggatttat acatacagag 180  
 attgtagtat ttagtatatg aaatatntg aatacacatc tctgtcagtg tgaaaattca 240  
 gcggcagtggt gtccatcata ttaaaaaatat acaagctaca gttgtccaga tcaactgaatt 300  
 ggaacttttc tctgcatgt gnatatatgt caaattgtca ngc 343

<210> 1719  
 <211> 193



<400> 1722						
ttatgaagtt	gacaaataaa	taaaaggtag	tggntatgtc	tgagottatt	gtgtttgagc	60
taacaccagg	ttactcagta	accatgacct	gctcctccat	ttccatttat	ttccaacatt	120
aaatagtttt	atcttgttgn	tgccagaaat	gcacttgtgc	caggnattgn	ccctgctgta	180
tqaaaagcct	cttggcaatg	aattctgtaa	taagtgcctt	acattatggn	tttctggtgg	240

285

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 33, 66, 67, 68, 406, 437, 450, 462, 498, 515, 516

<223> n = A, T, C or G

<400> 1723

cttggccttg	aggtggcacc	ttctcactat	gtntcacat	ggccttttct	ctgtggagag	60
ggacannnag	catgagcagg	ctctgggtgc	tcctcttctt	ataaagacac	taatattacc	120
atattagggc	ttaaacctat	gacctcattt	aaccttaacc	ccttaaagggt	cccatctcca	180
aaaacagtcg	catagcaggc	tactgcttca	acatatgcat	ttggggggagg	ggacaccatt	240
cagttcttaa	cagggtgggc	accgcaaaca	tggaaagtca	gagcctttct	cccttcagaa	300
ttccgcgcc	caccagggga	tggggaagag	gagcagagag	gtatgggaag	cagacacgga	360
gagtggcagg	taccatgctg	gggtgggctc	aggagtgcct	tcgganggac	atatggaact	420
ggcagggctc	aatgcangga	gggcggaagn	ccttggaag	ancccggtgc	ctgagaaagg	480
ggctgggcta	caaccctngg	caagttactt	taccnntgac	cttcgatgct	tttggg	536

<210> 1724

<211> 145

<212> DNA

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc feature

<222> 4, 12, 27, 32, 45, 47, 48, 59, 61, 65, 93, 98, 103, 121

<223> n = A, T, C or G

<400> 1724

```

ctgncctttt gnaacaggac cctcacncta tncaatgggg ggtnanntg aagcatganc 60
ntatncatgc ggaaaaccca actcatgtga gcncaaancg gancgaccca gacaaccatg 120
natgaggcta atatggggag agaaa                                     145

```

<210> 1725

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1725

caattctgga	attaccact	tgtttaattt	tgagcaacat	gatctagcat	taatgtagtc	60
caattctaaa	tcagacaatg	taattatgaa	gtagaccgag	aggaagatga	gcgcgcaaca	120
atcgaggaga	gagaagacga	acaccaccgc	ctccatcctc	ctcctccgtc	gcc	173

<210> 1726

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1726

```
<210> 1727
<211> 274
<212> DNA
<213> Homo sapiens
```

<400>	1727						
ttnnngttgaa	aaaatagatc	caatcagttt	ataccctagt	tagtgttttg	cctcacctaa	60	
taggctggga	gactgaagac	tcagcccggg	tggggctgca	gaaaaatgat	tggccccagt	120	
ccccttgttt	gtccctttcta	caggcatgag	gaatctggga	ggccctgaga	cagggattgt	180	
gcttcattcc	aatctattgc	ttcaccatgg	ccttatgagg	caggtgagag	atgtttgaat	240	
ttttctcttc	cttttaqtat	tcttaqttct	tcag			274	

```
<210> 1728
<211> 415
<212> DNA
<213> Homo sapiens
```

<400>	1728						
aaatcccttt	ctgcttccac	tggaggcaaa	actgaacaaa	atgttagtta	aatagagaga	60	
gcagcatttc	taagaaatct	gtggtcagca	ttatagacca	tctatgctac	aaggatgtca	120	
ttaaataagga	tttgttcaat	tactggattc	ttcttctatg	atcagttata	gaattttctgg	180	
tttataatctc	tgattcataa	aactgggact	ccactttttg	aagatacatc	tgatttgattt	240	
tttttcagtc	tgatttaaaca	gacttctttg	agatgctcat	tttaacattt	acataatttt	300	
taattcccaaa	tgtataaaaag	acaatgaaaa	aagcatcata	aataaataat	gcaaaatgaa	360	
ataqttatqt	cagacttttg	gaccttctga	taaattagca	aaactgtaac	agaaa	415	

```
<210> 1729
<211> 309
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 4  
<223> n = A,T,C or G
```

<400> 1729							
acanaccgta	tactttatgc	aaacaaagtg	atgcctcact	gacttaggag	acaagtcaca	60	
tgccatcagt	gtgtcagaaa	atttctttct	tcagtgatag	ttaaggtaac	ctcgccagct	120	
actttccaga	gacagctcca	gggcaatact	ggggaaaaaa	aatcatgaga	cataggacc	180	
caatagagcc	ctgtgcaaca	aaaagatgct	agataacaaa	actcaaagca	aaactaagat	240	
cattccaatt	taggggaaag	tttttttatt	cagtgtttaa	gattaaaaac	tacaagattt	300	

309

```
<220>
<221> misc_feature
<222> 2
<223> n = A,T,C or G
```

```
<210> 1731
<211> 244
<212> DNA
<213> Homo sapiens
```

```
<210> 1732
<211> 272
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 9, 65, 192, 210, 212  
<223> n = A,T,C or G
```

```
<210> 1733
<211> 388
<212> DNA
<213> Homo sapiens
```

<220>

<221> misc\_feature  
 <222> 2  
 <223> n = A,T,C or G

<400> 1733  
 anttggaga gcatatgaac acgggccagc tagcaggatt ttcacatcaa attagaagtc 60  
 tgattttgaa taatatcatc aataagaagg agtttgggat tttggcaaag accaaatact 120  
 ttcaaagtgt gaagatgcat gcgatgaata ccaacaatat cactgagcta gtgaactatt 180  
 tggcaaata cttaagttta gatgaagctt cagtcttgat aactgaatat tcaaagcact 240  
 gcgggaaacc tgtgcctcca gacactgctc cctgtgaaat tctgaagatg tttcttagtg 300  
 gattatcgta aatcactgaa cctttttttc aagaaggaca agaatttttg agtctgctat 360  
 taatgggacc atatttatta cagttttt 388

<210> 1734  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<400> 1734  
 tttggaatgt aaaattaatg gtatctggta tcaagttgta agaaaaactc ccccagattg 60  
 ggaggtaact gagtgatatg tgaaagaatc ttcccgtctg aatttaagaa tacacctaca 120  
 ctgggcagaa aaagggtggg gagaggaagt agaagtagag gaaaagcaca actccactgg 180  
 cttcaatcaa actgaggtaa ctaattagag acggaaaata aataaatcaa caaatgcccc 240  
 atttttgttt tccaaaaaag atcactggca actaacaatt tt 282

<210> 1735  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1  
 <223> n = A,T,C or G

<400> 1735  
 ntaagccagc cttcctcaag aatgccagac agtggacaga gaagcatgca agacagaaac 60  
 aaaaggctga tgaggaagag atgcttgata atctaccaga ggctggtgac tccagagtac 120  
 acaactcaac acagaaaagg aaggccagtc agctagtagg catagaaaag aaatttcac 180  
 ctgatgttta ggggacttgt cctggttcac cttagttaat gtgttctttg ccaaggtgat 240  
 ctaagttgcc taccttgaat tttttttt 268

<210> 1736  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2  
 <223> n = A,T,C or G

<400> 1736  
 tnatagactt ttccaatggc ccccttataa caccagaaag gattgtaatc ttgggcgtat 60

```

tttgtgctgg catctttggc agttgtgaag atcttgtacc agagcgtggc gttgctgtac 120
gtgtcaggaa cacagtgcgg tggctgtaca gtgacgggga acaccccagg gctggccgtg 180
agggcatgc aggctgtgaa taccacctgc tcacagtgc cgtggagggc gcagtcactt 240
gagctccacg ctgtaggcag ggtgaagggt atgtttatct cctcgtgggc ttccctgcct 300
gaaagtccaa tctgatgccc taagatggtt gagtacagat ggggtgacgtt gggggaatac 360
cctccgaagg gtttcagtgg gtccagggtt aggggtgatt agactgagat attcacggg 420
cccagagtcct ccagggcctg gggggactgg gtggaagctc gggcctgccc gctgggtca 478

```

<210> 1737

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 5

<223> n = A,T,C or G

<400> 1737

```

cttttaggat ggcgagtagc agcggctcca aggctgaatt cattgtcggg gggaaatata 60
aactggtacg gaagatcggg tctggctcct tcggggacat ctatttggcg atcaacatca 120
ccaacggcga ggaagtggca gtgaagctag aatctcagaa ggccaggcat cccagattgc 180
tgtacgagag caagctctat aagattcttc aagggtgggt tggcatcccc cacatacggg 240
ggtatggtca ggaaaaagac tacaatgtac tagtcatgga tcttctggga cctagcctcg 300
aagacctctt caatttctgt tcaagaagg tcaaatgaa aactgtactt atgttagctg 360
accagatgat cagtagaatt gaatatgtgc atacaaagaa ttttatacac agagacatta 420
aaccagataa cttcctaatt ggtattgggc gtcactgtaa taagttattc cttattgatt 480
ttggtttgg                                     489

```

<210> 1738

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1738

```

gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc 60
atcaagctct atgatttcta cctcttcaaa tgccccaga gtgtgaaagg ccggaatgac 120
accttttacc tgacacctga gccagtgggt gcccacaaca gccaatctg gtactcagtc 180
cagcctatca gcagagagca gatgggacaa atgctgacac ggatcctggt gataagagaa 240
attcaggagg ccatcgcagt gg                                     262

```

<210> 1739

<211> 422

<212> DNA

<213> Homo sapiens

<400> 1739

```

ccaccatcct tttgagacag ttcctatcaa caatcttgaa ccataactaat acattacttg 60
ttcctgaagt ccttttgttg tagctcataa taaaataagc aatacaaatg aattatctgt 120
atttaaggga aaagaaacat ttacaagaaa acacaaaaat ataactgta taattcatta 180
tgaataaata tacactttga actggctaag tacaatcttt atacattggt taagatttaa 240
tacagtttat tagccatttt cttttttcac acaatgtata tcaaaattaa aaaaaatac 300
tgatttatag aaaaatggca aagtacagta gttccattcc aatttgaagg gccatgaaaa 360
gccactgcaa gaccttttag cctaattcaa acctgtaaac atgttcagtc ttttttacct 420

```

422

```
<400> 1740
gctaaatacc tatotaatgt gctatgttta tcaaatcgtg tactaaaaatg gaaagctagt 60
tttgagaaat tattcagaag ccttggttatt tt 92
```

<400>	1741						
tttcaattct	tccaaaaggc	tcaaagatcc	cacgaagcat	atcttcagtt	atgttgaagt	60	
gtaatgagcc	cacataaagc	ctcataggtc	cagcacttcc	cttttgtaaa	ttgtttgcca	120	
ttgctgcagc	tctgtttttt	tctgcctgtg	atgcctgtac	tatgattggc	acgcctaaaa	180	
ctcgttqg						188	

```
<220>
<221> misc_feature
<222> 3
<223> n = A,T,C or G
```

400 1742						
ttnaaaat	tttcaggctc	cacccaaaacg	tagaactgaa	agcatgtatt	ttggaagaaa	60
gagatacat	ttgtatgctt	tcttttctct	ttgtagattc	ccagtttatt	ttctaagact	120
gcaaagatca	ctttgtcacc	agccctggga	cctgagacca	agggggtgtc	ttctgggcag	180
tgagggggtg	aggagaggct	ggcatgagggt	tcagtcattc	cagtgagctc	caaagagggg	240
ccacctgttc	gcaaaagcat	gttgggggacc	aggaggtaaa	actgg		285

```
<210> 1743
<211> 117
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 2
<223> n = A,T,C or G
```

```
<400> 1743
angatctata gacactttag gcaaaacagg ctcataaagc aattaaaaaa tcaacaattt 60
agtaaaaaa ggctacatag tattttgttt ttaogtttca tttgtctatt gatcttt 117
```

<210> 1744

<211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 1744  
 aaacaatggg ctaaaaataa acagtattaa aagggttaagt ttatataata catatgtaca 60  
 caattagtgg tgtttttcttt tcagacaaaa tactgaaaca aatattagtt t 111

<210> 1745  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<400> 1745  
 ctgccagtag acccccgggc accctgagggc tgggtgggtccc tgctagtcag tgtgggtctc 60  
 tcattggaaa aggtggatgc aagatcaagg aaatacgaga gagtacagg gctcagggtcc 120  
 aggtggcagg ggatatgcta cccaactcaa ctgagcgggc catcactatt gctggcattc 180  
 cacaatccat cattgagtggt gtcaaacaga tctgcgtgggt catgttggag tccccccga 240  
 agggcgcgac catcccgtag cggcccaagc cgtccagctc tccgggtcatc tttgcagggtg 300  
 gtcag 305

<210> 1746  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 1746  
 aaaataagtg aataagcgat atttattatc tgcaagggttt ttttgtgtgt gtttttgttt 60  
 ttattttcaa tatgcaagtt aggtttaatt tttttatcta atgatcatca tgaaatgaat 120  
 aagagggtctt aagaatttgt ccatttgcac tcggaaaaga atgaccagca aaagggtttac 180  
 taatacctct ccctttgggg atttaattgtc tgggtgctgcc gcctgagttt caagaattaa 240  
 agctgcaaga ggactccagg agcaaaagaa acacaatata gaggggttga gttgttagca 300  
 atttcattca aaatgccaa 319

<210> 1747  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 1747  
 aaatcctttt ccataaata aaagtacagt tttcttggtg gcagaatgaa aatcagcaac 60  
 ttctagcata tagactatat aatcagattg acagcatata gaatatatta tcagacaaga 120  
 tgaggaggta caaaagttac tattgctcat aatgacttac aggctaaaat tagtttt 177

<210> 1748  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9, 12, 15, 25, 172, 225  
 <223> n = A,T,C or G



<400> 1748  
 ctgaaggant gnaantagac tggtnagagag aggaaggcac tgagccacat gaaggtatgt 60  
 acgtaggttt tgttcagtgg aaatagactg gtagagagag gaaggcactg aaccacatga 120  
 aggtatgtgt gtaggttttg ttcagtggaa atagactggg agagagagga angcattgaa 180  
 tcacatgaag gtacgtgtgt aggttttgtt cactgacttc ttcantgtct cagccag 237

<210> 1749  
 <211> 244  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 87  
 <223> n = A,T,C or G

<400> 1749  
 aaaaggcccc attatctgac aaaatagatg gtgaacatgc actatcccag gatattctatt 60  
 attatccaaa gaagtgtttc tcaaagngtg gtccatggta ctgggtccatg aattgggtgc 120  
 taccagtcaa tgaagagata aattacttgc atcagagtgt aaatcaatac attgctttag 180  
 ctattaataa aatttttgcta aaaaatcaaa tcctgtcatt gacctaaaaa gtatctctag 240  
 attt 244

<210> 1750  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 247  
 <223> n = A,T,C or G

<400> 1750  
 aggccagcct ccaccacgca cggcgaaagg agtgaactag ctggggacaca cacacgtgtg 60  
 aatgcatgca agcatttact gcattcttctc cgtggactcc ctaccgctct tccatagccc 120  
 cccctttcag cctcactgtt tctcgtgtga gcctatctgc ttgggcagtc cactcgggag 180  
 ggggtcatgg agccaggact ccctctaaat aggaatggaa aggaccctgc agatattttt 240  
 atcctanttg tgaaaacaag gtgcctctga ttctctatat ccatcacag 289

<210> 1751  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 558  
 <223> n = A,T,C or G

<400> 1751  
 ctggttatta atcacaagtc ctggaaatgg tctaatagacc gtgaatttga taaactcggc 60  
 agagtctaag atccttctca tggagctgat ttccaggtag ctgggggctt tgaaggacac 120  
 ccccgggggc atgccatcaa ccaccacaca gccagggtta attgtgattt tcctgtaggg 180

```

aactttcaca ggaaaaccca taccaatagc ttcaccaa ttcgcgactaa agaggtcatt 240
cacttggttct cttagctgtc tagctttttc aactttcgag agtctttcat tatcatcatc 300
tggaattgtc acctgaatga tgtaaggtc ttcaacacct gatgcagtag tattaacatt 360
gggtgatgaa tttatttttc tgggagggct cttagaggag gtgctctcct taatcgccgt 420
ctcaaacatt tcgggctttt taatgatgaa cttatttttg gctttgtttc tgagtattct 480
ctccagcctc ggaatgccaa aagtcgatgg tcttcggaat ggcacaccct caggtaagcc 540
ttccacataa aagtcttncg ggaaagactc aaataacgcg aacggcacct tcac 594

```

<210> 1752

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1752

```

ctgaagggtt catggctccc aaggcttggg ccgtgctgac agaatactac aaatccttgg 60
agaaagctta ggctgttaac ccagtcactc cacctttgac acattactag taacaagagg 120
ggaccacata gtctctgttg gcattttctt gtggtgtctg tctggacatg cttcctaaaa 180
acagaccatt ttccttaact tgcattcagtt ttggtctgcc ttatgagttc tgttttgaac 240
aagtgttaaca cactgatggg tttaatgtat cttttccact tattatagtt atattcctac 300
aatacaattt t 311

```

<210> 1753

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 552, 561

<223> n = A,T,C or G

<400> 1753

```

ctgtccatta tacaccgtca cgttgatccc tgctccagc aactcgtcca caatgctaata 60
gactggcttc atgaagtcct cctccatggt cacaagagc ttggtagcct ggcctcccca 120
ggattgatcc tcaggaataa ttttgagctt ctttctgatg gggccattca tgagctggct 180
taaggcatct cgttgtagggt gtctcacgtg gcgctgacaa agacaaacta ggtggctctg 240
tgtgaattct agactcgact ccattgtaga cgtgggagtg cttttagtta agatgttata 300
gaagttcacc ccattctgtgt tctgttcaat gatcatttct gctttccccc acagctctgt 360
ggcctctctg tagagccctt tatttacggc attcagtagt tgctctgcaa ccttagacac 420
ctctgccaga cttttgtctt cgagaagaga catgctgtac aggtaaggct cccaggagag 480
caccgaatca acaggggaga tccaggaatc acccaaggca acccccgcaa agttgcactt 540
gatggctcct cncatgaatgg ncttataaag ctctagacca atgccag 587

```

<210> 1754

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 409

<223> n = A,T,C or G

<400> 1754

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```

cctctctcct tggcttgca gttggcacctt ctactatgt cctcacatgg ccttttctct 60
gtggagaggg acagagagca tgagcaggct ctggtgtctc ctcttcttat aaagacacta 120
atatcaccat attagggctt aaacctatga cctcatTTaa ccttaacccc ttaaagggtcc 180
catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240
acaccattca gttcttaaca ggggtgtcac cgcaaacaatg gaaagtcaga gccttctccc 300
cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360
gacacggaga gtggcaggta ccatgctggg gtggctcagg agtgcttong aggacatatg 420
gaactggcag ggctcagtgc agggaggcgg aggccctggg agagccgtgt cctgagaagg 480
gcctgggcta caaccctggg caagttactt cacctctgag cctccgatgc tctgtgaaat 540
ggaaggaatg tgcttgccctg tcag 564

```

<210> 1755

<211> 214

<212> DNA

<213> Homo sapiens

<400> 1755

```

aaatgtgatg ttttgagcat caaaaagcta ctatctaaaa ggattagtct cccagtgttc 60
ttggtaaatt gggaagggtta ggaaggaggc aatgatccaa tgaatataga agaactggcc 120
gattcacagg aaacttgctt tggataaggt gagtcaatgg gtgatattgt gcaggcaggg 180
agggaaattt ctttgtacaa attcatgtcc ctgg 214

```

<210> 1756

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 9, 40, 41, 76, 88, 89, 91, 100, 143, 181, 188, 197, 201, 202, 217

<223> n = A,T,C or G

<400> 1756

```

aaaattanna catacatggg caggcagctt ctgtccatan ntaaaactatt ccttttcagt 60
ctgagtaata tgcggnttgt tcttaatnnc ncacattaan aattttattta gattgggtgaa 120
actatcttta taaaaaaaaa atncgaacat gaatgcaaac ttaccaaaca gagcccacta 180
nattgatnaa gttaatncca nnatagtttg ccatganctg ggtgg 225

```

<210> 1757

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1757

```

ttgcagcctg cgatgacaca gcgaatctat gacaagtTTa tagctcagtt gcagacatct 60
atccgggagg aaatctctga catcaaagag gaggggaacc tagaagctgt cttgaatgcc 120
ttggataaaa ttgtggaaga aggcaaagtc cgcaaagagc cagcctggcg cccagcggg 180
atcccagaga aggatctgca cagtgttatg gcaccctact tcctgcagca acgggacacc 240
ctgcggcggcc atgtgcagaa acaggaggcc gagaaccagc ag 282

```

<210> 1758

<211> 473

<212> DNA

1001755-1001756

<213> Homo sapiens

<400> 1758

```
ctgaaacagc ttttcaagct ctctctcctc gtcaaggatc atgagaggca ctccactcaa 60
ggggagggtgc gcaatctggg gctcttcagg cagggtcaaaa ctctcaaagt ctagaggatt 120
gaagggaaaag aatttttcta tttctggata ggcatcatct gaggcaggaa cagagctttt 180
tgctttaaca gtcttctcag tcatcttttt ggcaaaaag ctgggctgtt tttgtttgag 240
gggtcccttg gtctttacag acttttctgt agctctgttg acagttccca aagcctttct 300
agtagcttta ggtaaggctg gtggggcatc gaacgttttg ccaaaacgtg gtgttgaaac 360
ttgagatctc ccatctaagg ctttgattga aggtccagac ccagcttca gcccatcctt 420
agcaaccaca cgggtgcctg gttctccatt ttccttatcg acatagatca gag 473
```

<210> 1759

<211> 187

<212> DNA

<213> Homo sapiens

<400> 1759

```
aaacttcgcc atgatcgtgt cttctgcact catgatatgg aaaggcttga tcgtgctcac 60
aggcagttag agcccatcgc tgggtgtgct gagggtcagg atggagccgg cctttcacag 120
aggagacctc ctgttctcga caaatctccg ggaagaccca atcagagctg gtgaaatag 180
tggtttt 187
```

<210> 1760

<211> 564

<212> DNA

<213> Homo sapiens

<400> 1760

```
cctctctcct tggcttgcag gtggcacctt ctactatgt cctcacacgg ccttttctct 60
gtggagaggg acagagagca tgagcaggct ctggtgtctc ctcttcttat aaagacacta 120
atatcaccat attagggctt aaacctatga cctcatttaa ccttaacccc ttaaagggtc 180
catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240
acaccattca gttcttaaca ggggtgtcac cgcaaactg gaaagtcaga gccttctccc 300
cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360
gacacggaga gtggcaggta ccatgctggg gtggctcagg agtgcttcgg aggacatatg 420
gaactggcag ggctcagtg caggaggcgg aggccttggg agagccgtgt cctgagaagg 480
gcctgggcta caaccctggg caagttactt cacctctgag cctccgatgc tctgtgaaat 540
ggaaggaatg tgcttgccctg tcag 564
```

<210> 1761

<211> 413

<212> DNA

<213> Homo sapiens

<400> 1761

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ctgtcttctc atctatctta gcataggagt cctctgctgc cttttcaata ccgtcgtggt 60
atttctccaa agcagttttc aagtttagaa atatttcctg ggacttcagt ttctcccttt 120
cagcagcatc ttttagttgt tgaattccaa gtttaatttt ttggatttct tgattaattg 180
tggttactcg ttcatagaca gcacctcttt tttcttgaac tttattgcaa tcctcaatta 240
ctgtgcgttt gtattgctta acatcttcat gcttcttatt tattttgaat tgtgctgtgg 300
caagtttttc cttcttcaca atcatcagtc ttttgaacga attttcttca gtcttcaatt 360
tcttcagttc tgactcatca ctctcaattt ggtcctccaa gttcaggctt ctg 413
```

1001754-1001761

<210> 1762  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 1762  
 ggaaaagaaa gagctgaaaa tgcagaaagc cgaagagtta gaacttttgg atacaggaga 60  
 agaaacagcg gctccactac agaccagcc ccagggtcaa tgcctccga agaatgaagt 120  
 ctttccctgg tgatgggtccc ctgccctgtc tttccagcat ccaactctccc ttgtcctcct 180  
 gggggcatat ctcaagtcagg cagcggcttc ctgatgatgg tcgttggggg ggttggtcatg 240  
 tgatgggtcc cctccagggt actaaagggt gcatgtcccc tgcttgaaca ctgaagggca 300  
 ggtggtgggc catgg 315

<210> 1763  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 16  
 <223> n = A,T,C or G

<400> 1763  
 cgaccgccta agagtngcgc tgtaagaagc aacaacctct cctcttcgtc tccgccatca 60  
 gctcggcagt cgcgaagcag caaccatgcg tgagtgcac tccatccacg ttgg 114

<210> 1764  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 25, 33, 38, 53, 62, 71, 81, 83, 93, 102  
 <223> n = A,T,C or G

<400> 1764  
 ctaatacgac tcaactatacg gctcnagcgg cctccgngc cgggggctgc tcnnggttaga 60  
 tngacatgaa naccctacag ntnccactgt ggnaattgaa antatccctc atgt 114

<210> 1765  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<400> 1765  
 aaacagtaac aaaacagaaa gcaagaatca ctgaacactg ggtgcagtca gttctaagtc 60  
 cttataataa ttgccaaaat tatttgaatg attcttcaag attaggctga tccctgggta 120  
 aggtctgtgt aaggcagaca agcgttattg atcatatcaa gttccctaca atatcctgtc 180  
 ctcaaaaaccg gaagcaatga acatgatcct cttcggtttg ataaatgaac ttctgtttg 240  
 gcctgcttct aggccctgcc agatttctcat aacatcatat acgtaagtat agttcctcaa 300  
 agtgactgac atttatttta attttgcttt gttttttttt attttctccc ccattccttt 360  
 attttgtgtt attcctgact cacttgacac tctctgatgc ctgagagatt cctgtttggg 420

atttaatatc cagggctgtg ttacagtaa aaaaagcagg cagtccttt tagtttttcc 480  
 ttttt 485

<210> 1766  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<400> 1766  
 aaaaacaaag tcttcaactt ggggtgtgag attggcaaaa ggggaagcaa gggaaaagcc 60  
 aaggaaagat aaaatattca gaagaaagtc aaagttatct gcaattacat gttagaacag 120  
 attttgcagg ttaaaaagat gttgcttaaa tatattcata aacctgttgt aagattttca 180  
 cttatgcagt ttcagaaaat ttagctgctt aacatatgac agaactgtat ttaacaaat 240  
 gacattaaaa gtcaggagag ctactcagtt aattgataaa gtagaggcaa cgtgggggag 300  
 ccctccccac gtttattgaa gatttgtggc tccccagcc ccgtttgcct gcatcaggct 360  
 aacaacctca ttctcccat agagcctgg 389

<210> 1767  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 16, 20, 21, 35, 119, 125, 133, 142, 165, 169, 176  
 <223> n = A,T,C or G

<400> 1767  
 tttttcaacg attaanaatn ntcattacat aactnggtga aactgaaaaa gtatatcata 60  
 tgggtacaca aggctatttg ccagcgtata ttaatatatt agaaaatatt ccttttgtna 120  
 tactnaatat cancatagag cnagaatcat attatcatat ttatnatant gttcan 176

<210> 1768  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 1768  
 aaaagaaatc atggtacttc ttagagcaat ttgcaaaaagg ggaaaaaagt cttagggtca 60  
 ctcccttgaa ataaatatca agtaaccata aaaatattca gccatttttc agttattcgg 120  
 ggagttcagg catggtccca cgcagagcat cagagttcct ctttgaaata acccagcttt 180  
 gccaatgaca tctcttttct caactgcata acctcccaaa acatctgatc aacatcctgc 240  
 tgtttcacaa gtccctgctg aatgtatcga atgtatgtaa aaaagttaca tacagaagtg 300  
 atcctgtatc tgcaaaaagg agaaatacaa taatagttgc ttgagtcccc taatttaatt 360  
 ctgtgtttac aggacttact ctgg 384

<210> 1769  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 91

```
<220>
<221> misc feature
```

<222> 3, 42, 66, 68, 77, 85, 104, 140

<223> n = A,T,C or G

<400> 1773

```
cgngcggctg cgggggggcac cagaggcagt ataccatgcc cncatagatg ccgcggaagg 60
tccctnanac atcccnatt gaaanaacca ttagaggctc tganaaacct acggaaactt 120
agatcatcag gtcaccgaan agtcctacag ggccacaaca tgccccctgc ac 172
```

<210> 1774

<211> 525

<212> DNA

<213> Homo sapiens

<400> 1774

```
ccttcactct cccctgaggc tgtcctggcc cggactgtgg ggagcacctc cccccccgg 60
agcaggtgca caccaggtta agcaggtcca ggggctgggg tgggcagggc tagcttttgg 120
atcctgagtg tcaactactct ctccctccag ggatgccttg gacctaaagt acatcaactc 180
agagcctcct cggggctcct tccccctctt tgagcctcgg aacctcctca gcctgtttga 240
ggacacccta gacccaacct gagccccaga ctctgcctct gcacttttaa ccttttatcc 300
tgtgtctctc ccgtcgccct tgaaagctgg ggccccctcg gaactcccat ggtcttctct 360
gcctggccgt gtctaataaa aagtatttga accttgggag cacccaagct tgctcatgtg 420
gcaacatggc ccttctctgg ccttttattg atgtcatcca gggctctaac gcccctgagg 480
ctgagccctg ctgcagaacc cacgctcctg gccttggggc agcag 525
```

<210> 1775

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1775

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aaattttcta gtcaaattaa taagcctttg tattatatgc catcctcctt tggaatgata 60
gcggtataat taaaatagaa catttttaac acagaatact tattggtgaa gtggtctctt 120
atgtagtctt cttttgacga gaacgttgag attttcgaac tttcagaact ttcttttttt 180
gatgtttttt cccattcttt tgcctttttt tttggctgac ctgtttctcc cactttttta 240
tcagttcctt cacatctgct gaatctgggt ttagacatgt ttgaactcca ttcttcagt 300
tagcaatgat ttcaattttc tcgcaggaag ggcttggggc aaattgttta aggtctttca 360
aggattgtag gtggatagtc ccttggttgg tgctgatgca ggaacagcga ccctttctca 420
ctactggggt tccttgcaact ccaatcagaa ccagcaag 458
```

<210> 1776

<211> 461

<212> DNA

<213> Homo sapiens

<400> 1776

```
aaagtttcac ttccctagca aaatatcttc agtcaagaaa ttagtctttg aaaattatga 60
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attgtttcta gaagcaataa aatataacct atttaggaga taacccaaat gatttgtaaa 180
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<210> 1778  
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 <213> Homo sapiens

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 <213> Homo sapiens

<220>  
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 <223> n = A,T,C or G

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 <212> DNA  
 <213> Homo sapiens

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<210> 1781  
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 <212> DNA  
 <213> Homo sapiens

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 aaatattcat tgctgcctta cttgatttta gtattgaaac agttccttct gcagagggac 240  
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<210> 1782  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 132  
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 <211> 127  
 <212> DNA  
 <213> Homo sapiens

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<210> 1784

1001784-102904

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<210> 1788  
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 <212> DNA  
 <213> Homo sapiens

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<210> 1789  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 1791  
 <211> 2442  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1791

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&lt;210&gt; 1792

&lt;211&gt; 2279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1792

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<210> 1793

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 1793

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<210> 1794

<211> 2881

<212> DNA

<213> Homo sapiens

<400> 1794

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<212> DNA

<213> Homo sapiens

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<400> 1795

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<212> DNA

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<400> 1796

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&lt;211&gt; 1635

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1798

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ctgactgcag taagaatttc accaggtata taggggatga tggggattat gtgtgaaaaa 16500
aaacaagcac atggtacatc atagtaccca aaatttggtg gatattatta gtagtatttt 16560
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gcaagcatta gaaatgttta cttctgatta atgtttttta tgatcatgaa atcaatcact 16680
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tatatgtgag cagtcattta tctgtgtctt tacatttttg attatgtcta cctataaaat 16860
ggtttatgca ttgtagctct ctaatatggg gccctatata taaacaataa tttaacgtgt 16920
ctaacttaac caagtgtgtt gcgtatgata ggcaggtagt aagtaatatg taaagtaata 16980
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gcatatatct tccttattcc tcttcaatgt aaggcagaag gagttcctgt tgggaagtga 17100
aatgtgaaat agaaaaggct agaatgtctc tccattgaca gatgtgggat ctgttggtga 17160
gagatgtaga gaaatatggt ttgacatttc acctgtgtg ttttatgtgg ttaagttcca 17220
ggcaggggaa tagaattaaa ttattcttta ttttgaatca caagatatga taaagtcacg 17280
agttcattaa acaaagaaac acagattcta gagcagtcag aaaatgaact tcttaacatc 17340
tacactagcg gcagcttcct agaaatcact gcgctaccgg ctagtaacgg agtcattgcc 17400
attcagagtg tgcatttttt tttcctcttt ccagttttgc tggcccccct aattatccga 17460
tttctgatga atattaacat ggagggcatt gcatgaggtc tgccagaagg ccctgcgtgt 17520
ggatggtgac acagaggatg gctctatgct ggtgactgga cacatggcc 17569

```

<210> 1805  
 <211> 791  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1805
ctctggctgg acgccgccgc cgccgctgcc accgcctctg atccaagcca cctcccgcc 60
gagaggtgtc atgggcttcc aaaagttctc ccccttctg gctctcagca tcttggtcct 120
gttgaggcca ggcagcctcc atgcagcacc attcaggtct gccctggaga gcagcccagc 180
agacccggcc acgctcagtg aggacgaagc gcgcctcctg ctggctgcac tgggtgcagga 240
ctatgtgcag atgaaggcca gtgagctgga gcaggagcaa gagagagagg gctccagcct 300
ggacagcccc agatctaagc ggtgcggtaa tctgagtact tgcattgctg gcacatacac 360
gcaggacttc aacaagtttc acacgttccc ccaaactgca attgggggtg gagcacctgg 420
aaagaaaagg gatatgtcca gcgacttgga gagagacat cgccctcatg ttagcatgcc 480
ccagaatgcc aactaaactc ctccctttcc ttcctaattt cccttcttgc atccttctta 540
taacttgatg catgtggttt ggttctcttc tgggtggtct ttgggctggt attggtggct 600
ttccttgtgg cagaggatgt ctcaaacttc agatgggagg aaagagagca ggactcacag 660
gttggaagag aatcacctgg gaaaatacca gaaaatgagg gccgctttga gtccccccaga 720
gatgtcatca gagctcctct gtctctgttc tgaatgtgct gatcatttga ggaataaaaat 780
tattttttccc c
791

```

<210> 1806  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 1806  
 Met Val Ile Ala Leu Leu Gly Val Trp Thr Ser Val Ala Val Val Trp

```

1           5           10           15
Phe Asp Leu Val Asp Tyr Glu Glu Val Leu Gly Lys Leu Gly Ile Tyr
20           25           30
Asp Ala Asp Gly Asp Gly Asp Phe Asp Val Asp Asp Ala Lys Val Leu
35           40           45
Leu Gly Leu Lys Glu Arg Ser Thr Ser Glu Pro Ala Val Pro Pro Glu
50           55           60
Glu Ala Glu Pro His Thr Glu Pro Glu Glu Gln Val Pro Val Glu Ala
65           70           75           80
Glu Pro Gln Asn Ile Glu Asp Glu Ala Lys Glu Gln Ile Gln Ser Leu
85           90           95
Leu His Glu Met Val His Ala Glu His Val Glu Gly Glu Asp Leu Gln
100          105          110
Gln Glu Asp Gly Pro Thr Gly Glu Pro Gln Gln Glu Asp Asp Glu Phe
115          120          125
Leu Met Ala Thr Asp Val Asp Asp Arg Phe Glu Thr Leu Glu Leu Glu
130          135          140
Val Ser His Glu Glu Thr Glu His Ser Tyr His Val Glu Glu Thr Val
145          150          155          160
Ser Gln Asp Cys Asn Gln Asp Met Glu Glu Met Met Ser Glu Gln Glu
165          170          175
Asn Pro Asp Ser Ser Glu Pro Val Val Glu Asp Glu Arg Leu His His
180          185          190
Asp Thr Asp Asp Val Thr Tyr Gln Val Tyr Glu Glu Gln Ala Val Tyr
195          200          205
Glu Pro Leu Glu Asn Glu Gly Ile Glu Ile Thr Glu Val Thr Val Pro
210          215          220
Pro Glu Asp Asn Pro Val Glu Asp Ser Gln Val Ile Val Glu Glu Val
225          230          235          240
Ser Ile Phe Pro Val Glu Glu Gln Gln Glu Val Pro Pro Asp Thr
245          250          255

```

<210> 1807

<211> 226

<212> PRT

<213> Homo sapiens

<400> 1807

```

Met Pro Leu Ser Gln Ile Lys Lys Val Leu Asp Ile Arg Glu Thr Glu
1           5           10           15
Asp Cys His Asn Ala Phe Ala Leu Leu Val Arg Pro Pro Thr Glu Gln
20           25           30
Ala Asn Val Leu Leu Ser Phe Gln Met Thr Ser Asp Glu Leu Pro Lys
35           40           45
Glu Asn Trp Leu Lys Met Leu Cys Arg His Val Ala Asn Thr Ile Cys
50           55           60
Lys Ala Asp Ala Glu Asn Leu Ile Tyr Thr Ala Asp Pro Glu Ser Phe
65           70           75           80
Glu Val Asn Thr Lys Asp Met Asp Ser Thr Leu Ser Arg Ala Ser Arg
85           90           95
Ala Ile Lys Lys Thr Ser Lys Lys Val Thr Arg Ala Phe Ser Phe Ser
100          105          110
Lys Thr Pro Lys Arg Ala Leu Arg Arg Ala Leu Met Thr Ser His Gly

```

115 120 125  
 Ser Val Glu Gly Arg Ser Pro Ser Ser Asn Asp Lys His Val Met Ser  
 130 135 140  
 Arg Leu Ser Ser Thr Ser Ser Leu Ala Ile Thr His Ser Val Ser Thr  
 145 150 155 160  
 Ser Asn Val Ile Gly Phe Thr Lys His Val Tyr Val Gln Arg Leu Asn  
 165 170 175  
 Ser Thr Gly Gly Arg Ser Gln Tyr Ser Trp Phe Gln Ser Val Arg His  
 180 185 190  
 Ser Ala Phe Arg Ala Ser Phe Ser Glu Ile Leu Glu Gly Asn Thr Asp  
 195 200 205  
 Phe Ser Asn Phe Lys Lys Val Leu Ser Lys Ser Ser Leu Thr Phe Val  
 210 215 220  
 Lys Asn  
 225

<210> 1808  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<400> 1808  
 Met Ser Val Phe Val Leu Phe Pro Asp Phe Phe Lys Val Gly Lys Thr  
 1 5 10 15  
 Thr Tyr Phe Tyr Leu Asp Glu Gly Ser Gly Arg Val Glu Gln Lys Gln  
 20 25 30  
 Ala Ile Thr Ala Ile Ser Ser Ser Phe Thr Gly Asp Cys Pro Leu Ile  
 35 40 45  
 Ala Asn Val Glu  
 50

<210> 1809  
 <211> 592  
 <212> PRT  
 <213> Homo sapiens

<400> 1809  
 Met Ala Ser Glu Ile His Met Thr Gly Pro Met Cys Leu Ile Glu Asn  
 1 5 10 15  
 Thr Asn Gly Arg Leu Met Ala Asn Pro Glu Ala Leu Lys Ile Leu Ser  
 20 25 30  
 Ala Ile Thr Gln Pro Met Val Val Val Ala Ile Val Gly Leu Tyr Arg  
 35 40 45  
 Thr Gly Lys Ser Tyr Leu Met Asn Lys Leu Ala Gly Lys Lys Lys Gly  
 50 55 60  
 Phe Ser Leu Gly Ser Thr Val Gln Ser His Thr Lys Gly Ile Trp Met  
 65 70 75 80  
 Trp Cys Val Pro His Pro Lys Lys Pro Gly His Ile Leu Val Leu Leu  
 85 90 95  
 Asp Thr Glu Gly Leu Gly Asp Val Glu Lys Gly Asp Asn Gln Asn Asp  
 100 105 110  
 Ser Trp Ile Phe Ala Leu Ala Val Leu Leu Ser Ser Thr Phe Val Tyr

100754-100754

		115					120					125				
Asn	Ser	Ile	Gly	Thr	Ile	Asn	Gln	Gln	Ala	Met	Asp	Gln	Leu	Tyr	Tyr	
	130					135					140					
Val	Thr	Glu	Leu	Thr	His	Arg	Ile	Arg	Ser	Lys	Ser	Ser	Pro	Asp	Glu	
145					150					155					160	
Asn	Glu	Asn	Glu	Val	Glu	Asp	Ser	Ala	Asp	Phe	Val	Ser	Phe	Phe	Pro	
				165					170					175		
Asp	Phe	Val	Trp	Thr	Leu	Arg	Asp	Phe	Ser	Leu	Asp	Leu	Glu	Ala	Asp	
			180					185					190			
Gly	Gln	Pro	Leu	Thr	Pro	Asp	Glu	Tyr	Leu	Thr	Tyr	Ser	Leu	Lys	Leu	
		195					200					205				
Lys	Lys	Gly	Thr	Ser	Gln	Lys	Asp	Glu	Thr	Phe	Asn	Leu	Pro	Arg	Leu	
	210					215					220					
Cys	Ile	Arg	Lys	Phe	Phe	Pro	Lys	Lys	Lys	Cys	Phe	Val	Phe	Asp	Arg	
225					230					235					240	
Pro	Val	His	Arg	Arg	Lys	Leu	Ala	Gln	Leu	Glu	Lys	Leu	Gln	Asp	Glu	
				245					250					255		
Glu	Leu	Asp	Pro	Glu	Phe	Val	Gln	Gln	Val	Ala	Asp	Phe	Cys	Ser	Tyr	
			260					265					270			
Ile	Phe	Ser	Asn	Ser	Lys	Thr	Lys	Thr	Leu	Ser	Gly	Gly	Ile	Gln	Val	
		275					280					285				
Asn	Gly	Pro	Arg	Leu	Glu	Ser	Leu	Val	Leu	Thr	Tyr	Val	Asn	Ala	Ile	
	290					295					300					
Ser	Ser	Gly	Asp	Leu	Pro	Cys	Met	Glu	Asn	Ala	Val	Leu	Ala	Leu	Ala	
305					310					315					320	
Gln	Ile	Glu	Asn	Ser	Ala	Ala	Val	Gln	Lys	Ala	Ile	Ala	His	Tyr	Glu	
			325						330					335		
Gln	Gln	Met	Gly	Gln	Lys	Val	Gln	Leu	Pro	Thr	Glu	Ser	Leu	Gln	Glu	
			340					345					350			
Leu	Leu	Asp	Leu	His	Arg	Asp	Ser	Glu	Arg	Glu	Ala	Ile	Glu	Val	Phe	
		355					360					365				
Ile	Arg	Ser	Ser	Phe	Lys	Asp	Val	Asp	His	Leu	Phe	Gln	Lys	Glu	Leu	
	370					375					380					
Ala	Ala	Gln	Leu	Glu	Lys	Arg	Asp	Asp	Asp	Phe	Cys	Lys	Gln	Asn	Gln	
385					390					395					400	
Glu	Ala	Ser	Ser	Asp	Arg	Cys	Ser	Gly	Leu	Leu	Gln	Val	Ile	Phe	Ser	
				405					410					415		
Pro	Leu	Glu	Glu	Glu	Val	Lys	Ala	Gly	Ile	Tyr	Ser	Lys	Pro	Gly	Gly	
			420					425					430			
Tyr	Arg	Leu	Phe	Val	Gln	Lys	Leu	Gln	Asp	Leu	Lys	Lys	Lys	Tyr	Tyr	
		435					440					445				
Glu	Glu	Pro	Arg	Lys	Gly	Ile	Gln	Ala	Glu	Glu	Ile	Leu	Gln	Thr	Tyr	
	450					455					460					
Leu	Lys	Ser	Lys	Glu	Ser	Met	Thr	Asp	Ala	Ile	Leu	Gln	Thr	Asp	Gln	
465					470					475</						



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<210> 1810
<211> 57
<212> PRT
<213> Homo sapiens
```

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<210> 1811
<211> 148
<212> PRT
<213> Homo sapiens
```

```
<210> 1812
<211> 474
<212> PRT
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<400> 1812

Met	Val	Gln	Gln	Thr	Asn	Asn	Ala	Glu	Asn	Thr	Glu	Ala	Leu	Leu	Ala
1				5					10					15	
Gly	Glu	Ser	Ser	Asp	Ser	Gly	Ala	Gly	Leu	Glu	Leu	Gly	Ile	Ala	Ser
			20					25					30		
Ser	Pro	Thr	Pro	Gly	Ser	Thr	Ala	Ser	Thr	Gly	Gly	Lys	Ala	Asp	Asp
		35					40					45			
Pro	Ser	Trp	Cys	Lys	Thr	Pro	Ser	Gly	His	Ile	Lys	Arg	Pro	Met	Asn
	50					55					60				
Ala	Phe	Met	Val	Trp	Ser	Gln	Ile	Glu	Arg	Arg	Lys	Ile	Met	Glu	Gln
65					70					75					80
Ser	Pro	Asp	Met	His	Asn	Ala	Glu	Ile	Ser	Lys	Arg	Leu	Gly	Lys	Arg
				85					90					95	
Trp	Lys	Leu	Leu	Lys	Asp	Ser	Asp	Lys	Ile	Pro	Phe	Ile	Arg	Glu	Ala
			100					105					110		
Glu	Arg	Leu	Arg	Leu	Lys	His	Met	Ala	Asp	Tyr	Pro	Asp	Tyr	Lys	Tyr
		115					120					125			
Arg	Pro	Arg	Lys	Lys	Val	Lys	Ser	Gly	Asn	Ala	Asn	Ser	Ser	Ser	Ser
	130					135						140			
Ala	Ala	Ala	Ser	Ser	Lys	Pro	Gly	Glu	Lys	Gly	Asp	Lys	Val	Gly	Gly
145					150					155					160
Ser	Gly	Gly	Gly	Gly	His	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Ser	Ser	Asn
				165					170					175	
Ala	Gly	Gly	Gly	Gly	Gly	Gly	Ala	Ser	Gly	Gly	Gly	Ala	Asn	Ser	Lys
			180					185					190		
Pro	Ala	Gln	Lys	Lys	Ser	Cys	Gly	Ser	Lys	Val	Ala	Gly	Gly	Ala	Gly
		195					200					205			
Gly	Gly	Val	Ser	Lys	Pro	His	Ala	Lys	Leu	Ile	Leu	Ala	Gly	Gly	Gly
	210					215						220			
Gly	Gly	Gly	Lys	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ser	Phe	Ala	Ala	Glu
225				230						235					240
Gln	Ala	Gly	Ala	Ala	Ala	Leu	Leu	Pro	Leu	Gly	Ala	Ala	Ala	Asp	His
				245						250				255	
His	Ser	Leu	Tyr	Lys	Ala	Arg	Thr	Pro	Ser	Ala	Ser	Ala	Ser	Ala	Ser
			260					265					270		
Ser	Ala	Ala	Ser	Ala	Ser	Ala	Ala	Leu	Ala	Ala	Pro	Gly	Lys	His	Leu
		275					280					285			
Ala	Glu	Lys	Lys	Val	Lys	Arg	Val	Tyr	Leu	Phe	Gly	Gly	Leu	Gly	Thr
	290					295				300					
Ser	Ser	Ser	Pro	Val	Gly	Gly	Val	Gly	Ala	Gly	Ala	Asp	Pro	Ser	Asp
305				310						315					320
Pro	Leu	Gly	Leu	Tyr	Glu	Glu	Glu	Gly	Ala	Gly	Cys	Ser	Pro	Asp	Ala
				325					330					335	
Pro	Ser	Leu	Ser	Gly	Arg	Ser	Ser	Ala	Ala	Ser	Ser	Pro	Ala	Ala	Gly
			340					345					350		
Arg	Ser	Pro	Ala	As											

```
<210> 1813
<211> 238
<212> PRT
<213> Homo sapiens
```

```
<210> 1814
<211> 68
<212> PRT
<213> Homo sapiens
```

&lt;400&gt; 1814

Met Val Tyr Tyr Pro Glu Leu Phe Val Trp Val Ser Gln Glu Pro Phe  
 1 5 10 15  
 Pro Asn Lys Asp Met Glu Gly Arg Leu Pro Lys Gly Arg Leu Pro Val  
 20 25 30  
 Pro Lys Glu Val Asn Arg Lys Lys Asn Asp Glu Thr Asn Ala Ala Ser  
 35 40 45  
 Leu Thr Pro Leu Gly Ser Ser Glu Leu Arg Ser Pro Arg Ile Ser Tyr  
 50 55 60  
 Leu His Phe Phe  
 65

&lt;210&gt; 1815

&lt;211&gt; 572

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1815

Met Ser Tyr Gln Gly Lys Lys Ser Ile Pro His Ile Thr Ser Asp Arg  
 1 5 10 15  
 Leu Leu Ile Lys Gly Gly Arg Ile Ile Asn Asp Asp Gln Ser Leu Tyr  
 20 25 30  
 Ala Asp Val Tyr Leu Glu Asp Gly Leu Ile Lys Gln Ile Gly Glu Asn  
 35 40 45  
 Leu Ile Val Pro Gly Gly Val Lys Thr Ile Glu Ala Asn Gly Arg Met  
 50 55 60  
 Val Ile Pro Gly Gly Ile Asp Val Asn Thr Tyr Leu Gln Lys Pro Ser  
 65 70 75 80  
 Gln Gly Met Thr Ala Ala Asp Asp Phe Phe Gln Gly Thr Arg Ala Ala  
 85 90 95  
 Leu Val Gly Gly Thr Thr Met Ile Ile Asp His Val Val Pro Glu Pro  
 100 105 110  
 Gly Ser Ser Leu Leu Thr Ser Phe Glu Lys Trp His Glu Ala Ala Asp  
 115 120 125  
 Thr Lys Ser Cys Cys Asp Tyr Ser Leu His Val Asp Ile Thr Ser Trp  
 130 135 140  
 Tyr Asp Gly Val Arg Glu Glu Leu Glu Val Leu Val Gln Asp Lys Gly  
 145 150 155 160  
 Val Asn Ser Phe Gln Val Tyr Met Ala Tyr Lys Asp Val Tyr Gln Met  
 165 170 175  
 Ser Asp Ser Gln Leu Tyr Glu Ala Phe Thr Phe Leu Lys Gly Leu Gly  
 180 185 190  
 Ala Val Ile Leu Val His Ala Glu Asn Gly Asp Leu Ile Ala Gln Glu  
 195 200 205  
 Gln Lys Arg Ile Leu Glu Met Gly Ile Thr Gly Pro Glu Gly His Ala  
 210 215 220  
 Leu Ser Arg Pro Glu Glu Leu Glu Ala Glu Ala Val Phe Arg Ala Ile  
 225 230 235 240  
 Thr Ile Ala Gly Arg Ile Asn Cys Pro Val Tyr Ile Thr Lys Val Met  
 245 250 255  
 Ser Lys Ser Ala Ala Asp Ile Ile Ala Leu Ala Arg Lys Lys Gly Pro  
 260 265 270  
 Leu Val Phe Gly Glu Pro Ile Ala Ala Ser Leu Gly Thr Asp Gly Thr

1001754-106904

```

      275              280              285
His Tyr Trp Ser Lys Asn Trp Ala Lys Ala Ala Ala Phe Val Thr Ser
      290              295              300
Pro Pro Leu Ser Pro Asp Pro Thr Thr Pro Asp Tyr Leu Thr Ser Leu
305              310              315              320
Leu Ala Cys Gly Asp Leu Gln Val Thr Gly Ser Gly His Cys Pro Tyr
      325              330              335
Ser Thr Ala Gln Lys Ala Val Gly Lys Asp Asn Phe Thr Leu Ile Pro
      340              345              350
Glu Gly Val Asn Gly Ile Glu Glu Arg Met Thr Val Val Trp Asp Lys
      355              360              365
Ala Val Ala Thr Gly Lys Met Asp Glu Asn Gln Phe Val Ala Val Thr
      370              375              380
Ser Thr Asn Ala Ala Lys Ile Phe Asn Leu Tyr Pro Arg Lys Gly Arg
385              390              395              400
Ile Ala Val Gly Ser Asp Ala Asp Val Val Ile Trp Asp Pro Asp Lys
      405              410              415
Leu Lys Thr Ile Thr Ala Lys Ser His Lys Ser Ala Val Glu Tyr Asn
      420              425              430
Ile Phe Glu Gly Met Glu Cys His Gly Ser Pro Leu Val Val Ile Ser
      435              440              445
Gln Gly Lys Ile Val Phe Glu Asp Gly Asn Ile Asn Val Asn Lys Gly
      450              455              460
Met Gly Arg Phe Ile Pro Arg Lys Ala Phe Pro Glu His Leu Tyr Gln
465              470              475              480
Arg Val Lys Ile Arg Asn Lys Val Phe Gly Leu Gln Gly Val Ser Arg
      485              490              495
Gly Met Tyr Asp Gly Pro Val Tyr Glu Val Pro Ala Thr Pro Lys Tyr
      500              505              510
Ala Thr Pro Ala Pro Ser Ala Lys Ser Ser Pro Ser Lys His Gln Pro
      515              520              525
Pro Pro Ile Arg Asn Leu His Gln Ser Asn Phe Ser Leu Ser Gly Ala
      530              535              540
Gln Ile Asp Asp Asn Asn Pro Arg Arg Thr Gly His Arg Ile Val Ala
545              550              555              560
Pro Pro Gly Gly Arg Ser Asn Ile Thr Ser Leu Gly
      565              570

```

&lt;210&gt; 1816

&lt;211&gt; 325

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1816

```

Met Thr Glu Arg Arg Arg Asp Glu Leu Ser Glu Glu Ile Asn Asn Leu
1              5              10              15
Arg Glu Lys Val Met Lys Lys Gln Ser Glu Glu Asn Asn Asn Leu Gln Ser
      20              25              30
Gln Val Gln Lys Leu Thr Glu Glu Asn Thr Thr Leu Arg Glu Gln Val
      35              40              45
Glu Pro Thr Pro Glu Asp Glu Asp Asp Asp Ile Glu Leu Arg Gly Ala
      50              55              60
Ala Ala Ala Ala Ala Pro Pro Pro Pro Ile Glu Glu Glu Cys Pro Glu

```

65                      70                      75                      80  
 Asp Leu Pro Glu Lys Phe Asp Gly Asn Pro Asp Met Leu Ala Pro Phe  
                                  85                      90                      95  
 Met Ala Gln Cys Gln Ile Phe Met Glu Lys Ser Thr Arg Asp Phe Ser  
                                  100                      105                      110  
 Val Asp Arg Val Arg Val Cys Phe Val Thr Ser Met Met Thr Gly Arg  
                                  115                      120                      125  
 Ala Ala Arg Trp Ala Ser Ala Lys Leu Glu Arg Ser His Tyr Leu Met  
                                  130                      135                      140  
 His Asn Tyr Pro Ala Phe Met Met Glu Met Lys His Val Phe Glu Asp  
 145                      150                      155                      160  
 Pro Gln Arg Arg Glu Val Ala Lys Arg Lys Ile Arg Arg Leu Arg Gln  
                                  165                      170                      175  
 Gly Met Gly Ser Val Ile Asp Tyr Ser Asn Ala Phe Gln Met Ile Ala  
                                  180                      185                      190  
 Gln Asp Leu Asp Trp Asn Glu Pro Ala Leu Ile Asp Gln Tyr His Glu  
                                  195                      200                      205  
 Gly Leu Ser Asp His Ile Gln Glu Glu Leu Ser His Leu Glu Val Ala  
                                  210                      215                      220  
 Lys Ser Leu Ser Ala Leu Ile Gly Gln Cys Ile His Ile Glu Arg Arg  
 225                      230                      235                      240  
 Leu Ala Arg Ala Ala Ala Ala Arg Lys Pro Arg Ser Pro Pro Arg Ala  
                                  245                      250                      255  
 Leu Val Leu Pro His Ile Ala Ser His His Gln Val Asp Pro Thr Glu  
                                  260                      265                      270  
 Pro Val Gly Gly Ala Arg Met Arg Leu Thr Gln Glu Glu Lys Glu Arg  
                                  275                      280                      285  
 Arg Arg Lys Leu Asn Leu Cys Leu Tyr Cys Gly Thr Gly Gly His Tyr  
                                  290                      295                      300  
 Ala Asp Asn Cys Pro Ala Lys Ala Ser Lys Ser Ser Pro Ala Gly Asn  
 305                      310                      315                      320  
 Ser Pro Ala Pro Leu  
                                  325

<210> 1817  
 <211> 357  
 <212> PRT  
 <213> Homo sapiens

<400> 1817  
 Met Leu Gln Ile His Leu Pro Gly Arg His Thr Leu Phe Val Arg Ala  
   1                      5                      10                      15  
 Met Ile Asp Ser Gly Ala Ser Gly Asn Phe Ile Asp His Glu Tyr Val  
                                  20                      25                      30  
 Ala Gln Asn Gly Ile Pro Leu Arg Ile Lys Asp Trp Pro Ile Leu Val  
                                  35                      40                      45  
 Glu Ala Ile Asp Gly Arg Pro Ile Ala Ser Gly Pro Val Val His Glu  
                                  50                      55                      60  
 Thr His Asp Leu Ile Val Asp Leu Gly Asp His Arg Glu Val Leu Ser  
 65                      70                      75                      80  
 Phe Asp Val Thr Gln Ser Pro Phe Phe Pro Val Val Leu Gly Val Arg  
                                  85                      90                      95  
 Trp Leu Ser Thr His Asp Pro Asn Ile Thr Trp Ser Thr Arg Ser Ile

100 105 110  
115 120 125  
130 135 140  
145 150 155  
160 165 170  
175 180 185  
190 195 200  
205 210 215  
220 225 230  
235 240 245  
250 255 260  
265 270 275  
280 285 290  
295 300 305  
310 315 320  
325 330 335  
340 345 350  
355

```

Val Phe Asp Ser Glu Tyr Cys Arg Tyr His Cys Arg Met Tyr Ser Pro
115 120 125
Ile Pro Pro Ser Leu Pro Pro Pro Ala Pro Gln Pro Pro Leu Tyr Tyr
130 135 140
Pro Val Asp Gly Tyr Arg Val Tyr Gln Pro Val Arg Tyr Tyr Tyr Val
145 150 155 160
Gln Asn Val Tyr Thr Pro Val Asp Glu His Val Tyr Pro Asp His Arg
165 170 175
Leu Val Asp Pro His Ile Glu Met Ile Pro Gly Ala His Ser Ile Pro
180 185 190
Ser Gly His Val Tyr Ser Leu Ser Glu Pro Glu Met Ala Ala Leu Arg
195 200 205
Asp Phe Val Ala Arg Asn Val Lys Asp Gly Leu Ile Thr Pro Thr Ile
210 215 220
Ala Pro Asn Gly Ala Gln Val Leu Gln Val Lys Arg Gly Trp Lys Leu
225 230 235 240
Gln Val Ser Tyr Asp Cys Arg Ala Pro Asn Asn Phe Thr Ile Gln Asn
245 250 255
Gln Tyr Pro Arg Leu Ser Ile Pro Asn Leu Glu Asp Gln Ala His Leu
260 265 270
Ala Thr Tyr Thr Glu Phe Val Pro Gln Ile Pro Gly Tyr Gln Thr Tyr
275 280 285
Pro Thr Tyr Ala Ala Tyr Pro Thr Tyr Pro Val Gly Phe Ala Trp Tyr
290 295 300
Pro Val Gly Arg Asp Gly Gln Gly Arg Ser Leu Tyr Val Pro Val Met
305 310 315 320
Ile Thr Trp Asn Pro His Trp Tyr Arg Gln Pro Pro Val Pro Gln Tyr
325 330 335
Pro Pro Pro Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
340 345 350
Ser Tyr Ser Thr Leu
355

```

<210> 1818  
<211> 102  
<212> PRT  
<213> Homo sapiens

```

<400> 1818
Met Ser Thr Gly Asn Thr Val Cys Ser Arg Tyr His Phe Tyr Val Arg
1 5 10 15
Val Asn Gln Ala Val Ile Trp Val Asp Val Leu Ile Tyr Trp Ser Val
20 25 30
His Ile Leu Asp Ile Val Ile Pro His Trp Leu Val Asn Ser Val Ser
35 40 45
Ile Tyr Trp Ile Ile Glu Trp Arg Leu Trp Cys Trp Trp Trp Glu Arg
50 55 60
Trp Trp Tyr Trp Arg Ile His Pro Ala Val Val Ala Ala Val Phe Arg
65 70 75 80
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Ala Gln Pro Ala Asn Pro

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<210> 1819  
 <211> 831  
 <212> PRT  
 <213> Homo sapiens

<400> 1819

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      20      25      30
Glu Gln Asp Leu Arg Gln Trp Gly Leu Thr Gly Ile His Leu Arg Ser
      35      40      45
Tyr Gln Leu Glu Gly Val Asn Trp Leu Ala Gln Arg Phe His Cys Gln
      50      55      60
Asn Gly Cys Ile Leu Gly Asp Glu Met Gly Leu Gly Lys Thr Cys Gln
65      70      75      80
Thr Ile Ala Leu Phe Ile Tyr Leu Ala Gly Arg Leu Asn Asp Glu Gly
      85      90      95
Pro Phe Leu Ile Leu Cys Pro Leu Ser Val Leu Ser Asn Trp Lys Glu
      100     105     110
Glu Met Gln Arg Phe Ala Pro Gly Leu Ser Cys Val Thr Tyr Ala Gly
      115     120     125
Asp Lys Glu Glu Arg Ala Cys Leu Gln Gln Asp Leu Lys Gln Glu Ser
      130     135     140
Arg Phe His Val Leu Leu Thr Thr Tyr Glu Ile Cys Leu Lys Asp Ala
145     150     155     160
Ser Phe Leu Lys Ser Phe Pro Trp Ser Val Leu Val Val Asp Glu Ala
      165     170     175
His Arg Leu Lys Asn Gln Ser Ser Leu Leu His Lys Thr Leu Ser Glu
      180     185     190
Phe Ser Val Val Phe Ser Leu Leu Leu Thr Gly Thr Pro Ile Gln Asn
      195     200     205
Ser Leu Gln Glu Leu Tyr Ser Leu Leu Ser Phe Val Glu Pro Asp Leu
      210     215     220
Phe Ser Lys Glu Glu Val Gly Asp Phe Ile Gln Arg Tyr Gln Asp Ile
225     230     235     240
Glu Lys Glu Ser Glu Ser Ala Ser Glu Leu His Lys Leu Leu Gln Pro
      245     250     255
Phe Leu Leu Arg Arg Val Lys Ala Glu Val Ala Thr Glu Leu Pro Lys
      260     265     270
Lys Thr Glu Val Val Ile Tyr His Gly Met Ser Ala Leu Gln Lys Lys
      275     280     285
Tyr Tyr Lys Ala Ile Leu Met Lys Asp Leu Asp Ala Phe Glu Asn Glu
      290     295     300
Thr Ala Lys Lys Val Lys Leu Gln Asn Ile Leu Ser Gln Leu Arg Lys
305     310     315     320
Cys Val Asp His Pro Tyr Leu Phe Asp Gly Val Glu Pro Glu Pro Phe
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Glu Val Gly Asp His Leu Thr Glu Ala Ser Gly Lys Leu His Leu Leu
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Asp Lys Leu Leu Ala Phe Leu Tyr Ser Gly Gly His Arg Val Leu Leu

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Phe	Ser	Gln	Met	Thr	Gln	Met	Leu	Asp	Ile	Leu	Gln	Asp	Tyr	Met	Asp	
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Tyr	Arg	Gly	Tyr	Ser	Tyr	Glu	Arg	Val	Asp	Gly	Ser	Val	Arg	Gly	Glu	
385					390					395					400	
Glu	Arg	His	Leu	Ala	Ile	Lys	Asn	Phe	Gly	Gln	Gln	Pro	Ile	Phe	Val	
				405					410					415		
Phe	Leu	Leu	Ser	Thr	Arg	Ala	Gly	Gly	Val	Gly	Met	Asn	Leu	Thr	Ala	
			420				425					430				
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Leu	Gln	Ala	Ala	Ala	Arg	Ala	His	Arg	Ile	Gly	Gln	Asn	Lys	Ser	Val	
	450					455					460					
Lys	Val	Ile	Arg	Leu	Ile	Gly	Arg	Asp	Thr	Val	Glu	Glu	Ile	Val	Tyr	
465					470					475					480	
Arg	Lys	Ala	Ala	Ser	Lys	Leu	Gln	Leu	Thr	Asn	Met	Ile	Ile	Glu	Gly	
				485					490					495		
Gly	His	Phe	Thr	Leu	Gly	Ala	Gln	Lys	Pro	Ala	Ala	Asp	Ala	Asp	Leu	
			500				505						510			
Gln	Leu	Ser	Glu	Ile	Leu	Lys	Phe	Gly	Leu	Asp	Lys	Leu	Leu	Ala	Ser	
		515					520					525				
Glu	Gly	Ser	Thr	Met	Asp	Glu	Ile	Asp	Leu	Glu	Ser	Ile	Leu	Gly	Glu	
	530					535					540					
Thr	Lys	Asp	Gly	Gln	Trp	Val	Ser	Asp	Ala	Leu	Pro	Ala	Ala	Glu	Gly	
545					550					555					560	
Gly	Ser	Arg	Asp	Gln	Glu	Glu	Gly	Lys	Asn	His	Met	Tyr	Leu	Phe	Glu	
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Gly	Lys	Asp	Tyr	Ser	Lys	Glu	Pro	Ser	Lys	Glu	Asp	Arg	Lys	Ser	Phe	
		580						585					590			
Glu	Gln	Leu	Val	Asn	Leu	Gln	Lys	Thr	Leu	Leu	Glu	Lys	Ala	Ser	Gln	
		595					600					605				
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	610					615					620					
Val	Glu	Gly	Ser	Thr	Lys	Arg	Lys	Arg	Val	Leu	Ser	Pro	Glu	Glu	Leu	
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Glu	Asp	Arg	Gln	Lys	Lys	Arg	Gln	Glu	Ala	Ala	Ala	Lys	Arg	Arg	Arg	
				645					650					655		
Leu	Ile	Glu	Glu	Lys	Lys	Arg	Gln	Lys	Glu	Glu	Ala	Glu	His	Lys	Lys	
			660					665					670			
Lys	Val	Ala	Trp	Trp	Glu	Ser	Asn	Asn	Tyr	Gln	Ser	Phe	Cys	Leu	Pro	
		675					680					685				
Ser	Glu	Glu	Ser	Glu	Pro	Glu	Asp	Leu	Glu	Asn	Gly	Glu	Glu	Ser	Ser	
	690					695					700					
Ala	Glu	Leu	Asp	Tyr	Gln	Asp	Pro	Asp	Ala	Thr	Ser	Leu	Lys	Tyr	Val	
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Ile Val Ala Gln His Arg Asp Arg Ser Asn Val Leu Ser Gly Ile Lys						
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<400> 1820

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Ala	Pro	Ala	Cys	Ala	Leu	Leu	Leu	Leu	Phe	Pro	Leu	Thr	Ala	Gln	His
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Glu	Asn	Phe	Arg	Lys	Lys	Gln	Ile	Glu	Glu	Leu	Lys	Gly	Gln	Glu	Val
	50				55					60					
Ser	Pro	Lys	Val	Tyr	Phe	Met	Lys	Gln	Thr	Ile	Gly	Asn	Ser	Cys	Gly
65				70					75					80	
Thr	Ile	Gly	Leu	Ile	His	Ala	Val	Ala	Asn	Asn	Gln	Asp	Lys	Leu	Gly
			85					90						95	
Phe	Glu	Asp	Gly	Ser	Val	Leu	Lys	Gln	Phe	Leu	Ser	Glu	Thr	Glu	Lys
		100					105					110			
Met	Ser	Pro	Glu	Asp	Arg	Ala	Lys	Cys	Phe	Glu	Lys	Asn	Glu	Ala	Ile
		115					120					125			
Gln	Ala	Ala	His	Asp	Ala	Val	Ala	Gln	Glu	Gly	Gln	Cys	Arg	Val	Asp
	130					135					140				
Asp	Lys	Val	Asn	Phe	His	Phe	Ile	Leu	Phe	Asn	Asn	Val	Asp	Gly	His
145				150					155					160	
Leu	Tyr	Glu	Leu	Asp	Gly	Arg	Met	Pro	Phe	Pro	Val	Asn	His	Gly	Ala
			165					170						175	
Ser	Ser	Glu	Asp	Thr	Leu	Leu	Lys	Asp	Ala	Ala	Lys	Val	Cys	Arg	Glu
		180					185					190			
Phe	Thr	Glu	Arg	Glu	Gln	Gly	Glu	Val	Arg	Phe	Ser	Ala	Val	Ala	Leu
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Cys	Lys	Ala	Ala												
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<210> 1821  
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<400> 1821

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		20						25				30			
Lys	Ala	Leu	Glu	Ala	Val	Lys	Leu	Ala	Ile	Glu	Ala	Gly	Tyr	His	His

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Ile Asp Ser Ala His Val Tyr Asn Asn Glu Glu Gln Val Gly Leu Ala
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Ile Arg Ser Lys Ile Ala Asp Gly Ser Val Lys Arg Glu Asp Ile Phe
 65      70      75      80
Tyr Thr Ser Lys Leu Trp Ser Asn Ser His Arg Pro Glu Leu Val Arg
      85      90      95
Pro Ala Leu Glu Arg Ser Leu Lys Asn Leu Gln Leu Asp Tyr Ala Asp
      100      105      110
Leu Tyr Leu Ile His Phe Pro Val Ser Val Lys Pro Gly Glu Glu Val
      115      120      125
Ile Pro Lys Asp Glu Asn Gly Lys Ile Leu Phe Asp Thr Val Asp Leu
      130      135      140
Cys Ala Thr Trp Glu Ala Met Glu Lys Cys Lys Asp Ala Gly Leu Ala
      145      150      155      160
Lys Ser Ile Gly Val Ser Asn Phe Asn His Arg Leu Leu Glu Met Ile
      165      170      175
Leu Asn Glu Pro Gly Leu Lys Tyr Glu Pro Val Cys Asn Gln Val Glu
      180      185      190
Cys His Pro Tyr Phe Asn Gln Arg Lys Leu Leu Asp Phe Cys Lys Ser
      195      200      205
Lys Asp Ile Val Leu Val Ala Tyr Ser Ala Leu Gly Ser His Arg Glu
      210      215      220
Glu Pro Trp Val Asp Pro Asn Ser Pro Val Leu Leu Glu Asp Pro Val
      225      230      235      240
Leu Cys Ala Leu Ala Lys Lys His Lys Arg Thr Pro Ala Leu Ile Ala
      245      250      255
Leu Arg Tyr Gln Leu Gln Arg Gly Val Val Val Leu Ala Lys Ser Tyr
      260      265      270
Asn Glu Gln Arg Ile Arg Gln Asn Val Gln Val Phe Glu Phe Gln Leu
      275      280      285
Thr Ser Glu Glu Met Lys Ala Ile Asp Gly Leu Asn Arg Asn Val Arg
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Tyr Leu Thr Leu Asp Ile Phe Ala Gly Pro Pro Asn Tyr Pro Ile Ser
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<210> 1822

<211> 141

<212> PRT

<213> Homo sapiens

<400> 1822

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      20      25      30
Glu Ser Ser Pro Ala Asp Pro Ala Thr Leu Ser Glu Asp Glu Ala Arg
      35      40      45
Leu Leu Leu Ala Ala Leu Val Gln Asp Tyr Val Gln Met Lys Ala Ser
      50      55      60
Glu Leu Glu Gln Glu Gln Glu Arg Glu Gly Ser Ser Leu Asp Ser Pro

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65					70					75				80
Arg	Ser	Lys	Arg	Cys	Gly	Asn	Leu	Ser	Thr	Cys	Met	Leu	Gly	Thr
				85					90					95
Thr	Gln	Asp	Phe	Asn	Lys	Phe	His	Thr	Phe	Pro	Gln	Thr	Ala	Ile
			100					105					110	
Val	Gly	Ala	Pro	Gly	Lys	Lys	Arg	Asp	Met	Ser	Ser	Asp	Leu	Glu
		115					120					125		Arg
Asp	His	Arg	Pro	His	Val	Ser	Met	Pro	Gln	Asn	Ala	Asn		
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&lt;210&gt; 1823

&lt;211&gt; 6188

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1823

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<210> 1824
<211> 866
<212> DNA
<213> Homo sapiens

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<400> 1824
ggcagagcca caggaaggat gaggaagacc aggctctggg ggctgctgtg gatgctcttt 60
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cagaccctgg atgtgaaatg tgactacacg ctagagaagt ttgccagcag ccagaaagct 180
tggcagataa taagggacgg agagatgccc aagaccctgg catgcacaga gaggccttca 240
aagaattccc atccagtgcca agtggggagg atcatactag aagactacca tgatcatggt 300
ttactgcgcg tccgaatggt caaccttcaa gtggaagatt ctggactgta tcagtgtgtg 360
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aagggttttt cagggacccc tggctccaat gagaattcta cccagaatgt gtataagatt 480
cctcctacca ccactaaggc cttgtgcccc ctctatacca gccccagAAC tgtgacccaa 540
gtccacacca agtcaactgc cgatgtctcc actcctgact ctgaaatcaa ccttacaaat 600
gtgacagata tcatcagggt tccggtgttc aacattgtca ttctcctggc tgggtggattc 660
ctgagtaaga gcctggtctt ctctgtcctg tttgctgtca cgctgaggtc atttgtaccc 720
taggcccacg aaccacagag aatgtcctct gacttccagc cacatccatc tggcagttgt 780
gccaaaggag gagggaggag gtaaaaggca gggagttaat aacatgaatt aaatctgtaa 840
tcaccrgcta aaaaaaaaaa aaaaaa
866

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```

<210> 1825
<211> 234
<212> PRT
<213> Homo sapiens

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<400> 1825
Met Arg Lys Thr Arg Leu Trp Gly Leu Leu Trp Met Leu Phe Val Ser
1          5          10          15
Glu Leu Arg Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu Leu Lys
20          25          30
Glu Gly Gln Thr Leu Asp Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe
35          40          45
Ala Ser Ser Gln Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro
50          55          60
Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val
65          70          75          80

```

```
<210> 1826
<211> 192
<212> DNA
<213> Homo sapiens
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```
<210> 1827
<211> 288
<212> DNA
<213> Homo sapiens
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<210> 1828
<211> 141
<212> DNA
<213> Homo sapiens
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<400> 1828
cacacacaaa cacagaacca cacagccagt cccaggagcc cagtaatgga gagcccaaaa 60
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aggatacagc tgagatccca g                                     141
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<210> 1829  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 1829  
 gtgctgggaa gggaaatgcg cgacatggaa ggtgatctgc aagagctgca tcagtcaaac 60  
 accggggata aatctggatt tgggttccgg cgtcaagggtg aagataatac c 111

<210> 1830  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<400> 1830  
 Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr  
 1 5 10 15  
 Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly  
 20 25 30  
 Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg  
 35 40 45  
 Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg  
 50 55 60

<210> 1831  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 1831  
 His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met  
 1 5 10 15  
 Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His  
 20 25 30  
 Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys  
 35 40 45  
 Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly  
 50 55 60  
 Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys  
 65 70 75 80  
 Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val  
 85 90 95

<210> 1832  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 1832  
 His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met  
 1 5 10 15

1001754-102601



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<210> 1833
<211> 37
<212> PRT
<213> Homo sapiens
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<210> 1834
<211> 20
<212> PRT
<213> Homo sapiens
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```
<210> 1835
<211> 20
<212> PRT
<213> Homo sapiens
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```
<210> 1836
<211> 20
<212> PRT
<213> Homo sapiens
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```
<400> 1836
Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
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Glu Val Pro Val
          20
```

```
<210> 1841
<211> 20
<212> PRT
<213> Homo sapiens
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```
<400> 1845
Asp Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys
 1          5          10          15
Ser Glu Phe Arg
      20
```

<210> 1846  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1846  
 Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys  
 1 5 10 15  
 Ser Thr Asn Pro  
 20

<210> 1847  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1847  
 Ser Glu Phe Arg Pro Lys Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile  
 1 5 10 15  
 Gly Asp Val Ala  
 20

<210> 1848  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1848  
 Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly  
 1 5 10 15  
 Glu Met Trp Asn  
 20

<210> 1849  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1849  
 Gly Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Leu Asn Asp  
 1 5 10 15  
 Ser Glu Lys Gln  
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<210> 1850  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

100754-102901

Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr  
 1 5 10 15  
 Lys Ala Ala Lys  
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<213> Homo sapiens

Ser Glu Lys Gln Pro Tyr Ile Thr Lys Ala Ala Lys Leu Lys Glu Lys  
1 5 10 15  
Tyr Glu Lys Asp  
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<213> Homo sapiens

Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr  
1 5 10 15  
Lys Ser Lys Gly  
20

<213> Homo sapiens

Tyr Glu Lys Asp Val Ala Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly  
1 5 10 15  
Ala Lys Gly Pro  
20

<213> Homo sapiens

Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala  
1 5 10 15  
Arg Lys Lys Val  
20

<210> 1855  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1855  
 Ala Lys Gly Pro Ala Lys Val Ala Arg Lys Lys Val Glu Glu Glu Asp  
 1 5 10 15  
 Glu Glu Glu Glu  
 20

<210> 1856  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1856  
 Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Gln Glu Glu Glu Glu  
 1 5 10 15  
 Glu Glu Glu Glu  
 20

<210> 1857  
 <211> 28  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 1857  
 agtgcgaatt cgggctgcgt gcaggagg 28

<210> 1858  
 <211> 32  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 1858  
 ggactcgagc tactgcaagt ctggtgtgga tg 32

<210> 1859  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>

1855-1859

<223> PCR primer

<400> 1859

agatgaattc acgcgtccgc gccgcgcggc gca

33

<210> 1860

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1860

agttctcgag tcacctccct gggccccttt g

31

<210> 1861

<211> 945

<212> DNA

<213> Homo sapiens

<400> 1861

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ggcacgcgta	cagggaacgt	gacattggcc	gagggacccc	cggccgaatt	cacgcgtccg	420
cgccgcgcgg	cgcaggggag	gcgagaggcg	ccccccggtg	gagagcctga	gccccgcgca	480
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gccgcgcgga	atggtatggc	ccggccggag	ttaaggcccg	ggggaggcgg	cgagtcccgc	660
ggcggcggcg	acgatggggc	tgcgtgcagg	aggaacgctg	ggcagggccg	gcgcgggtcg	720
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ccgcacgcgc	gcggtgcaca	acgtgccgct	gagcgtgctc	atccggccgc	tgccgtccgt	840
gttggacccc	gccaaggtgc	agagcctcgt	ggacacgata	cgggaggacc	cagacagcgt	900
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<210> 1862

<211> 822

<212> DNA

<213> Homo sapiens

<400> 1862

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accgttcata	tcgggcctac	cgccttcctc	ggcttgggtg	ttgtcgacaa	caacggcaac	180
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ggcacgcgta	cagggaacgt	gacattggcc	gagggacccc	cggccgaatt	cgggctgcgt	420
gcaggaggaa	cgctgggcag	ggccggcgcg	ggtcgggggg	cggccgaggg	gccccggccg	480
agcggcggcg	cgcagggcgg	cagcatccac	tcgggcccga	tcgccgcggt	gcacaacgtg	540

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<210> 1863
<211> 314
<212> PRT
<213> Homo sapiens
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[illegible]



<210> 1864  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<400> 1864  
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 20 25 30  
 Ile Ala Gly Gln Ile Lys Leu Pro Thr Val His Ile Gly Pro Thr Ala  
 35 40 45  
 Phe Leu Gly Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val  
 50 55 60  
 Gln Arg Val Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr  
 65 70 75 80  
 Gly Asp Val Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr  
 85 90 95  
 Ala Met Ala Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser  
 100 105 110  
 Val Thr Trp Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr  
 115 120 125  
 Leu Ala Glu Gly Pro Pro Ala Glu Phe Gly Leu Arg Ala Gly Gly Thr  
 130 135 140  
 Leu Gly Arg Ala Gly Ala Gly Arg Gly Ala Pro Glu Gly Pro Gly Pro  
 145 150 155 160  
 Ser Gly Gly Ala Gln Gly Gly Ser Ile His Ser Gly Arg Ile Ala Ala  
 165 170 175  
 Val His Asn Val Pro Leu Ser Val Leu Ile Arg Pro Leu Pro Ser Val  
 180 185 190  
 Leu Asp Pro Ala Lys Val Gln Ser Leu Val Asp Thr Ile Arg Glu Asp  
 195 200 205  
 Pro Asp Ser Val Pro Pro Ile Asp Val Leu Trp Ile Lys Gly Ala Gln  
 210 215 220  
 Gly Gly Asp Tyr Phe Tyr Ser Phe Gly Gly Cys His Arg Tyr Ala Ala  
 225 230 235 240  
 Tyr Gln Gln Leu Gln Arg Glu Thr Ile Pro Ala Lys Leu Val Gln Ser  
 245 250 255  
 Thr Leu Ser Asp Leu Arg Val Tyr Leu Gly Ala Ser Thr Pro Asp Leu  
 260 265 270  
 Gln

<210> 1865  
 <211> 790  
 <212> DNA  
 <213> Homo sapiens

<400> 1865  
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 gtttctttgc cacggccgca gccgcggcgg ccgcagccgc cgcagcggca gcgcagagcg 180  
 cgcagcagca gcagcagcag cagcagcagc agcagcaggg gccgcagctg agaccggcgg 240

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ccgacggcca gccctcaggg ggcgggcaca agtcagcgcc caagcaagtc aagcgacagc 300
gctcgtcttc gcccgaaactg atgcgctgca aacgcgggct caacttcagc ggctttgggt 360
acagcctgcc gcagcagcag ccggccgccc tggcgcgccc caacgagcgc gagcgcaacc 420
gcgtcaagtt ggtcaacctg ggctttgcca ccttcggga gcacgtcccc aacggcgcg 480
ccaacaagaa gatgagtaag gtggagacac tgcgctcggc ggtcgagtac atccgcgcgc 540
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catcctactc gtcggacgag ggctcttacg acccgctcag ccccgaggag caggagcttc 720
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ttggaagcag

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<210> 1866

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1866

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ttgccacggc cgcagccgcg gcggccgcag ccgcgcgagc ggcagcgagc agcgcgcagc 180
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gccagccctc agggggcggt cacaagtcag cgcccaagca agtcaagcga cagcgctcgt 300
cttcgcccga actgatgcgc tgcaaacgcc ggctcaactt cagcggcttt ggctacagcc 360
tgccgcagca gcagccggcc gccgtggcgc gccgcaacga gcgcgagcgc aaccgcgtca 420
agttggtcaa cctgggcttt gccacccttc gggagcacgt ccccaacggc gcggccaaca 480
agaagatgag taagggtggag aactgcgct cggcggtcga gtacatccgc gcgctgcagc 540
agctgctgga cgagcatgac gcggtgagcg ccgccttcca ggcaggcgtc ctgtcgccca 600
ccatctcccc caactactcc aacgacttga actccatggc cggctcgccg gtctcatcct 660
actcgtcgga cgagggctct tacgaccgcg tcagccccga ggagcaggag cttctcgact 720
tcaccaactg gttctgaggg gctcggcctg gtcaggccct ggtgcgaatg gactttggaa 780
gcag

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<210> 1867

<211> 789

<212> DNA

<213> Homo sapiens

<400> 1867

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ctttgccacg gccgcagccc cggcgggccc agccgcgcga gcggcagcgc agagcgcgca 180
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ctcgtcttcg cccgaactga tgcgctgcaa acgcgggctc aacttcagcg gctttggcta 360
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gcccaccatc tcccccaact actccaacga cttgaactcc atggccgggt cgccggtctc 660
atcctactcg tcggacgagg gctcttacga cccgctcagc cccgaggagc aggagcttct 720
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<210> 1868

<211> 785  
 <212> DNA  
 <213> Homo sapiens

<400> 1868  
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 gcgcagcagc agcagcagca gcagcagcag caggcgccgc agctgagacc ggcgggccgac 240  
 ggccagccct cagggggcgg tcacaaagta gcgcccagc aagtcaagcg acagcgctcg 300  
 tcttcgcccg aactgatgag ctgcaaacgc cggtcgaact tcagcggctt tggctacagc 360  
 ctgcccgcagc agcagccggc cgccgtggcg cgccgcaacg agcgcgagcg caaccgcgctc 420  
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 aagaagatga gtaaggtgga gacactgcgc tcggcggtcg agtacatccg cgcgctgcag 540  
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 accatctccc ccaactactc caacgacttg aactccatgg ccggtcgcgc ggtctcatcc 660  
 tactcgctcg acgagggctc ttacgaccgg ctcagccccg aggagcagga gcttctcgac 720  
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 agcag 785

<210> 1869  
 <211> 236  
 <212> PRT  
 <213> Homo sapiens

<400> 1869  
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 20 25 30  
 Ala Thr Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gln  
 35 40 45  
 Ser Ala Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Ala Pro  
 50 55 60  
 Gln Leu Arg Pro Ala Ala Asp Gly Gln Pro Ser Gly Gly Gly His Lys  
 65 70 75 80  
 Ser Ala Pro Lys Gln Val Lys Arg Gln Arg Ser Ser Ser Pro Glu Leu  
 85 90 95  
 Met Arg Cys Lys Arg Arg Leu Asn Phe Ser Gly Phe Gly Tyr Ser Leu  
 100 105 110  
 Pro Gln Gln Gln Pro Ala Ala Val Ala Arg Arg Asn Glu Arg Glu Arg  
 115 120 125  
 Asn Arg Val Lys Leu Val Asn Leu Gly Phe Ala Thr Leu Arg Glu His  
 130 135 140  
 Val Pro Asn Gly Ala Ala Asn Lys Lys Met Ser Lys Val Glu Thr Leu  
 145 150 155 160  
 Arg Ser Ala Val Glu Tyr Ile Arg Ala Leu Gln Gln Leu Leu Asp Glu  
 165 170 175  
 His Asp Ala Val Ser Ala Ala Phe Gln Ala Gly Val Leu Ser Pro Thr  
 180 185 190  
 Ile Ser Pro Asn Tyr Ser Asn Asp Leu Asn Ser Met Ala Gly Ser Pro  
 195 200 205  
 Val Ser Ser Tyr Ser Ser Asp Glu Gly Ser Tyr Asp Pro Leu Ser Pro  
 210 215 220

Glu Glu Gln Glu Leu Leu Asp Phe Thr Asn Trp Phe  
 225 230 235

<210> 1870  
 <211> 236  
 <212> PRT  
 <213> Homo sapiens

<400> 1870  
 Met Glu Ser Ser Ala Lys Met Glu Ser Gly Gly Ala Gly Gln Gln Pro  
 1 5 10 15  
 Gln Pro Gln Pro Gln Gln Pro Phe Leu Pro Pro Ala Ala Cys Phe Phe  
 20 25 30  
 Ala Thr Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gln  
 35 40 45  
 Ser Ala Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Ala Pro  
 50 55 60  
 Gln Leu Arg Pro Ala Ala Asp Gly Gln Pro Ser Gly Gly Gly His Lys  
 65 70 75 80  
 Ser Ala Pro Lys Gln Val Lys Arg Gln Arg Ser Ser Ser Pro Glu Leu  
 85 90 95  
 Met Arg Cys Lys Arg Arg Leu Asn Phe Ser Gly Phe Gly Tyr Ser Leu  
 100 105 110  
 Pro Gln Gln Gln Pro Ala Ala Val Ala Arg Arg Asn Glu Arg Glu Arg  
 115 120 125  
 Asn Arg Val Lys Leu Val Asn Leu Gly Phe Ala Thr Leu Arg Glu His  
 130 135 140  
 Val Pro Asn Gly Ala Ala Asn Lys Lys Met Ser Lys Val Glu Thr Leu  
 145 150 155 160  
 Arg Ser Ala Val Glu Tyr Ile Arg Ala Leu Gln Gln Leu Leu Asp Glu  
 165 170 175  
 His Asp Ala Val Ser Ala Ala Phe Gln Ala Gly Val Leu Ser Pro Thr  
 180 185 190  
 Ile Ser Pro Asn Tyr Ser Asn Asp Leu Asn Ser Met Ala Gly Ser Pro  
 195 200 205  
 Val Ser Ser Tyr Ser Ser Asp Glu Gly Ser Tyr Asp Pro Leu Ser Pro  
 210 215 220  
 Glu Glu Gln Glu Leu Leu Asp Phe Thr Asn Trp Phe  
 225 230 235

<210> 1871  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 1871  
 Met Glu Ser Ser Ala Lys Met Glu Ser Gly Gly Ala Gly Gln Gln Pro  
 1 5 10 15  
 Gln Pro Gln Pro Gln Gln Pro Phe Leu Pro Pro Ala Ala Cys Phe Phe  
 20 25 30  
 Ala Thr Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gln  
 35 40 45

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<210> 1872
<211> 234
<212> PRT
<213> Homo sapiens
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<400> 1872																
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			20					25					30			
Ala	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gln	
		35					40					45				
Ser	Ala	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Ala	Pro	Gln	Leu	
	50					55					60					
Arg	Pro	Ala	Ala	Asp	Gly	Gln	Pro	Ser	Gly	Gly	Gly	His	Lys	Ser	Ala	
65					70					75					80	
Pro	Lys	Gln	Val	Lys	Arg	Gln	Arg	Ser	Ser	Ser	Pro	Glu	Leu	Met	Arg	
				85					90					95		
Cys	Lys	Arg	Arg	Leu	Asn	Phe	Ser	Gly	Phe	Gly	Tyr	Ser	Leu	Pro	Gln	
			100					105					110			
Gln	Gln	Pro	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg	Asn	Arg	
		115					120					125				
Val	Lys	Leu	Val	Asn	Leu	Gly	Phe	Ala	Thr	Leu	Arg	Glu	His	Val	Pro	
	130					135					140					
Asn	Gly	Ala	Ala	Asn	Lys	Lys	Met	Ser	Lys	Val	Glu	Thr	Leu	Arg	Ser	
145					150					155					160	
Ala	Val	Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Asp	Glu	His	Asp	
				165					170					175		

Ala Val Ser Ala Ala Phe Gln Ala Gly Val Leu Ser Pro Thr Ile Ser  
 180 185 190  
 Pro Asn Tyr Ser Asn Asp Leu Asn Ser Met Ala Gly Ser Pro Val Ser  
 195 200 205  
 Ser Tyr Ser Ser Asp Glu Gly Ser Tyr Asp Pro Leu Ser Pro Glu Glu  
 210 215 220  
 Gln Glu Leu Leu Asp Phe Thr Asn Trp Phe  
 225 230

<210> 1873  
 <211> 1353  
 <212> DNA  
 <213> Homo sapiens

<400> 1873  
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 agaaaaggaa taggatcaag agatacgtgg ctgctggcag agcaagcatg aattcgatga 180  
 cttcagcagt tccggtggcc aattctgtgt tgggtggggc accccacaat gggtatcctg 240  
 tgaccccgagg aattatgtct cacgtgcccc tgtatccaaa cagccagccg caagtccacc 300  
 tagttcctgg gaaccacact agtttgggtgt cgaatgtgaa tgggcagcct gtgcagaaag 360  
 ctctgaaaaga aggcaaaacc ttggggggcca tccagatcat cattggcctg gctcacatcg 420  
 gcctcggctc catcatggcg acggttctcg taggggaata cctgtctatt tcattctacg 480  
 gaggcctttcc cttctgggga ggcttgggtt ttatcatttc agaattctctc tccgtggcag 540  
 cagaaaatca gccatattct tattgcctgc tgtctggcag tttgggcttg aacatcgtca 600  
 gtgcaatctg ctctgcagtt ggagtcatac tcttcacac agatctaagt attccccacc 660  
 catatgccta ccccgactat tacccttacg cctgggggtgt gaaccctgga atggcgattt 720  
 ctggcgtgct gctggtcttc tgccctcctgg agtttggcat cgcagcgca tcttccact 780  
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1353

<210> 1874  
 <211> 250  
 <212> PRT  
 <213> Homo sapiens

<400> 1874  
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 20 25 30  
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 35 40 45  
 Asn Pro Pro Ser Leu Val Ser Asn Val Asn Gly Gln Pro Val Gln Lys  
 50 55 60

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Ala Leu Lys Glu Gly Lys Thr Leu Gly Ala Ile Gln Ile Ile Ile Gly  
65 70 75 80  
Leu Ala His Ile Gly Leu Gly Ser Ile Met Ala Thr Val Leu Val Gly  
85 90 95  
Glu Tyr Leu Ser Ile Ser Phe Tyr Gly Gly Phe Pro Phe Trp Gly Gly  
100 105 110  
Leu Trp Phe Ile Ile Ser Glu Ser Leu Ser Val Ala Ala Glu Asn Gln  
115 120 125  
Pro Tyr Ser Tyr Cys Leu Leu Ser Gly Ser Leu Gly Leu Asn Ile Val  
130 135 140  
Ser Ala Ile Cys Ser Ala Val Gly Val Ile Leu Phe Ile Thr Asp Leu  
145 150 155 160  
Ser Ile Pro His Pro Tyr Ala Tyr Pro Asp Tyr Tyr Pro Tyr Ala Trp  
165 170 175  
Gly Val Asn Pro Gly Met Ala Ile Ser Gly Val Leu Leu Val Phe Cys  
180 185 190  
Leu Leu Glu Phe Gly Ile Ala Cys Ala Ser Ser His Phe Gly Cys Gln  
195 200 205  
Leu Val Cys Cys Gln Ser Ser Asn Val Ser Val Ile Tyr Pro Asn Ile  
210 215 220  
Tyr Ala Ala Asn Pro Val Ile Thr Pro Glu Pro Val Thr Ser Pro Pro  
225 230 235 240  
Ser Tyr Ser Ser Glu Ile Gln Ala Asn Lys  
245 250

<210> 1875  
<211> 1155  
<212> DNA  
<213> Homo sapiens

<400> 1875  
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accgttcata tcgggcctac cgccttcttc ggcttgggtg ttgtcgacaa caacggcaac 180  
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gcgcttaacg ggcacatcc cggtgacgtc atctcggtga cctggcaaac caagtcgggc 360  
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<210> 1876

<211> 384  
 <212> PRT  
 <213> Homo sapiens

<400> 1876

Met	His	His	His	His	His	His	Thr	Ala	Ala	Ser	Asp	Asn	Phe	Gln	Leu
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Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala
		20						25					30		
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala
		35					40					45			
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val
	50					55					60				
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr
65					70					75					80
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr
				85					90					95	
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser
			100					105					110		
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr
		115					120					125			
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Met	Thr	Ser	Ala	Val	Pro	Val
	130					135					140				
Ala	Asn	Ser	Val	Leu	Val	Val	Ala	Pro	His	Asn	Gly	Tyr	Pro	Val	Thr
145					150					155					160
Pro	Gly	Ile	Met	Ser	His	Val	Pro	Leu	Tyr	Pro	Asn	Ser	Gln	Pro	Gln
				165					170					175	
Val	His	Leu	Val	Pro	Gly	Asn	Pro	Pro	Ser	Leu	Val	Ser	Asn	Val	Asn
		180					185						190		
Gly	Gln	Pro	Val	Gln	Lys	Ala	Leu	Lys	Glu	Gly	Lys	Thr	Leu	Gly	Ala
		195					200					205			
Ile	Gln	Ile	Ile	Ile	Gly	Leu	Ala	His	Ile	Gly	Leu	Gly	Ser	Ile	Met
	210					215					220				
Ala	Thr	Val	Leu	Val	Gly	Glu	Tyr	Leu	Ser	Ile	Ser	Phe	Tyr	Gly	Gly
225					230				235						240
Phe	Pro	Phe	Trp	Gly	Gly	Leu	Trp	Phe	Ile	Ile	Ser	Glu	Ser	Leu	Ser
				245				250						255	
Val	Ala	Ala	Glu	Asn	Gln	Pro	Tyr	Ser	Tyr	Cys	Leu	Leu	Ser	Gly	Ser
			260					265					270		
Leu	Gly	Leu	Asn	Ile	Val	Ser	Ala	Ile	Cys	Ser	Ala	Val	Gly	Val	Ile
		275					280					285			
Leu	Phe	Ile	Thr	Asp	Leu	Ser	Ile	Pro	His	Pro	Tyr	Ala	Tyr	Pro	Asp
	290					295					300				
Tyr	Tyr	Pro	Tyr	Ala	Trp	Gly	Val	Asn	Pro	Gly	Met	Ala	Ile	Ser	Gly
305					310					315					320
Val	Leu	Leu	Val	Phe	Cys	Leu	Leu	Glu	Phe	Gly	Ile	Ala	Cys	Ala	Ser
				325					330					335	
Ser	His	Phe	Gly	Cys	Gln	Leu	Val	Cys	Cys	Gln	Ser	Ser	Asn	Val	Ser
			340					345					350		
Val	Ile	Tyr	Pro	Asn	Ile	Tyr	Ala	Ala	Asn	Pro	Val	Ile	Thr	Pro	Glu
		355					360					365			
Pro	Val	Thr	Ser	Pro	Pro	Ser	Tyr	Ser	Ser	Glu	Ile	Gln	Ala	Asn	Lys
	370					375					380				

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<210> 1877  
 <211> 861  
 <212> DNA  
 <213> Homo sapiens

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 acttcagcag ttccggtggc caattctgtg ttgggtgggtg caccaccaca tggttatcct 180  
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<210> 1878  
 <211> 286  
 <212> PRT  
 <213> Homo sapiens

<400> 1878  
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 Ile Ala Gly Gln Ile Lys Leu Met Thr Ser Ala Val Pro Val Ala Asn  
 35 40 45  
 Ser Val Leu Val Val Ala Pro His Asn Gly Tyr Pro Val Thr Pro Gly  
 50 55 60  
 Ile Met Ser His Val Pro Leu Tyr Pro Asn Ser Gln Pro Gln Val His  
 65 70 75 80  
 Leu Val Pro Gly Asn Pro Pro Ser Leu Val Ser Asn Val Asn Gly Gln  
 85 90 95  
 Pro Val Gln Lys Ala Leu Lys Glu Gly Lys Thr Leu Gly Ala Ile Gln  
 100 105 110  
 Ile Ile Ile Gly Leu Ala His Ile Gly Leu Gly Ser Ile Met Ala Thr  
 115 120 125  
 Val Leu Val Gly Glu Tyr Leu Ser Ile Ser Phe Tyr Gly Gly Phe Pro  
 130 135 140  
 Phe Trp Gly Gly Leu Trp Phe Ile Ile Ser Glu Ser Leu Ser Val Ala  
 145 150 155 160  
 Ala Glu Asn Gln Pro Tyr Ser Tyr Cys Leu Leu Ser Gly Ser Leu Gly  
 165 170 175  
 Leu Asn Ile Val Ser Ala Ile Cys Ser Ala Val Gly Val Ile Leu Phe  
 180 185 190  
 Ile Thr Asp Leu Ser Ile Pro His Pro Tyr Ala Tyr Pro Asp Tyr Tyr

195	200	205
Pro Tyr Ala Trp Gly Val	Asn Pro Gly Met Ala Ile	Ser Gly Val Leu
210	215	220
Leu Val Phe Cys Leu Leu	Glu Phe Gly Ile Ala Cys	Ala Ser Ser His
225	230	235
Phe Gly Cys Gln Leu Val	Cys Cys Gln Ser Ser	Asn Val Ser Val Ile
245	250	255
Tyr Pro Asn Ile Tyr Ala	Ala Asn Pro Val Ile Thr	Pro Glu Pro Val
260	265	270
Thr Ser Pro Pro Ser Tyr	Ser Ser Glu Ile Gln Ala	Asn Lys
275	280	285

<210> 1879  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 1879  
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 ggaatg 186

<210> 1880  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<400> 1880
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1 5 10 15
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20 25 30
Ile Ala Gly Gln Ile Lys Leu Leu Ser Ile Pro His Pro Tyr Ala Tyr
35 40 45
Pro Asp Tyr Tyr Pro Tyr Ala Trp Gly Val Asn Pro Gly Met
50 55 60

<210> 1881  
 <211> 69  
 <212> DNA  
 <213> Homo sapiens

<400> 1881  
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 cctggaatg 69

<210> 1882  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

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&lt;400&gt; 1882

Leu Ser Ile Pro His Pro Tyr Ala Tyr Pro Asp Tyr Tyr Pro Tyr Ala  
 1 5 10 15  
 Trp Gly Val Asn Pro Gly Met  
 20

&lt;210&gt; 1883

&lt;211&gt; 6799

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1883

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<210> 1884
<211> 91
<212> PRT
<213> Homo sapiens

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<400> 1884
Met Thr Glu Glu Pro Gly Thr Gly Met Thr His Met Gly Arg Gly
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Pro His Phe Val Leu Phe Asp Ser Lys Arg Thr Gln Thr Ala Ser Phe
      20          25          30
Ile Ser Val Ser Pro Ala Pro Gly Leu Thr Leu Arg His Val Arg Arg
      35          40          45
Phe Val Ser Thr Gly Ser Thr Glu Leu Ala Ser Asn His Asp Leu Val
      50          55          60
Gln Lys Arg His Glu Asp Trp Ile Cys Ser Lys Gln Ile Val Gln Arg
      65          70          75          80
Gly Lys Thr Gln Thr Gln His Phe His Ser Phe
      85          90

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<210> 1885
<211> 56
<212> PRT
<213> Homo sapiens

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<400> 1885
Met Thr Trp Phe Arg Arg Asp Thr Arg Thr Gly Ser Val Leu Asn Arg
 1          5          10          15
Leu Cys Lys Gly Glu Arg His Arg Leu Ser Ile Ser Thr Ala Phe Asn
      20          25          30
Ile Ser Ala Arg Gly Glu Lys Ala Cys Gln Glu His Arg Pro Arg Pro
      35          40          45

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<400> 1888															
Met	Arg	Thr	Pro	Ile	Pro	Arg	Gly	Glu	Arg	Thr	Cys	Ala	Gln	Gly	Leu
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Gly	Arg	Trp	Trp	Pro	Ala	Gly	Glu	Val	Leu	Phe	Phe	Lys	Ala	Lys	Ser
			20					25					30		
Thr	Pro	Gly	Pro	Pro	Ala	Ser	Ser	Leu	Ser	Cys	Lys	Leu	Gly	Thr	Arg
		35					40					45			

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<210> 1889
<211> 90
<212> PRT
<213> Homo sapiens
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<210> 1890
<211> 104
<212> PRT
<213> Homo sapiens
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<400> 1890																
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Ser	Thr	Arg	Met	Leu	Gly	Arg	Thr	Glu	Val	Glu	Lys	Ser	Leu	Asp	Gln	
			20					25					30			
Gly	Cys	Ile	Arg	Phe	Leu	Gly	Ala	Asp	Ala	Ala	Trp	Pro	Cys	Gly	Ala	
		35					40					45				

Ile Ser Ser Leu Val His Glu His Gly Gln Gly His Cys Gln Pro Leu  
 50 55 60  
 His Ser Pro Val Trp Met Leu Gln Leu Gln Lys Trp Asn His Arg Ala  
 65 70 75 80  
 Asn Glu Cys Arg His Val Ser Val Trp Gln Pro Arg Ser Ser Thr Ala  
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 Gly Val Gly Val Thr Thr Trp Gly  
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<210> 1891  
 <211> 1450  
 <212> DNA  
 <213> Homo sapiens

<400> 1891  
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 ccagggtgaaa gaactggaga agcgtgcctc aggccaggtt tttgagctga ttctcagccc 180  
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<210> 1892  
 <211> 599  
 <212> DNA  
 <213> Homo sapiens

<400> 1892  
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<210> 1893
<211> 8372
<212> DNA
<213> Homo sapiens

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<211> 787

<212> DNA

<213> Homo sapiens

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 <212> PRT  
 <213> Homo sapiens

[illegible]

<211> 276

<213> Home

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 835 840 845  
 Tyr Gly Ile Arg Glu Val Asn Leu Leu Asn Lys Glu Ile Met Arg Val  
 850 855 860  
 Val Arg Tyr Ile Leu Lys Gln Asp Val Pro Ser Ser Leu Glu Asp Ala  
 865 870 875 880  
 Leu Lys Val Ala Gln Ala Phe Met Leu Ser Asp Asp Glu Ile Tyr Ser  
 885 890 895  
 Leu Arg Ile Ile Asp Leu Ile Asp Arg Glu Gln Gly Glu Asp Cys Leu  
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 Leu Leu Leu Lys Ser Leu Pro Pro Ala Glu Ala Glu Lys Thr Ala Glu  
 915 920 925  
 Arg Val Ile Ile Trp Ala Arg Leu Ala Leu Gln Glu Glu Pro Asp His  
 930 935 940  
 Ser Lys Glu Gly Lys Ala Trp Arg Met Ser Val Ala Lys Thr Ser Val  
 945 950 955 960  
 Asp Ile Leu Lys Ile Leu Cys Asp Ile Gln Lys Asp Asn Leu Gln Lys  
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 Lys Asp Glu Cys Glu Glu Met Leu Lys Leu Phe Lys Glu Val Ala Ser  
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 Leu Gln Glu Asn Phe Glu Val Phe Leu Ser Phe Glu Asp Tyr Ser Asn  
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 Ser Ser Leu Val Ala Asp Leu Arg Glu Gln His Ile Lys Ala His Glu  
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 Val Ala Gln Ala Lys His Lys Pro Gly Ser Thr Pro Glu Pro Ile Ala  
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 Ala Glu Val Arg Ser Pro Ser Met Glu Ser Lys Leu His Arg Gln Ala  
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 Arg Ala Leu Lys Asp Gly Asn Ile Lys Thr Ala Leu Lys Lys Cys Ser  
 1075 1080 1085  
 Asp Leu Phe Lys Tyr His Cys Asn Ala Asp Thr Gly Lys Leu Leu Phe  
 1090 1095 1100  
 Leu Thr Cys Gln Lys Leu Cys Gln Met Leu Ala Asp Asn Val Pro Val  
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 Thr Val Pro Val Gly Leu Asn Leu Pro Ser Met Ile His Asp Leu Ala  
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Ser	Gln	Ala	Ala	Thr	Ile	Cys	Ser	Pro	Asp	Phe	Leu	Leu	Asp	Ala	Leu	
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Glu	Leu	Cys	Lys	His	Thr	Leu	Met	Ala	Val	Glu	Leu	Ser	Arg	Gln	Cys	
		1155					1160					1165				
Gln	Met	Asp	Asp	Cys	Gly	Ile	Leu	Met	Lys	Ala	Ser	Phe	Gly	Thr	His	
	1170					1175					1180					
Lys	Asp	Pro	Tyr	Glu	Glu	Trp	Ser	Tyr	Ser	Asp	Phe	Phe	Ser	Glu	Asp	
1185					1190					1195					1200	
Gly	Ile	Val	Leu	Glu	Ser	Gln	Met	Val	Leu	Pro	Val	Ile	Tyr	Glu	Leu	
			1205						1210					1215		
Ile	Ser	Ser	Leu	Val	Pro	Leu	Ala	Glu	Ser	Lys	Arg	Tyr	Pro	Leu	Glu	
		1220						1225					1230			
Ser	Thr	Ser	Leu	Pro	Tyr	Cys	Ser	Leu	Asn	Glu	Gly	Asp	Gly	Leu	Val	
	1235						1240					1245				
Leu	Pro	Val	Ile	Asn	Ser	Ile	Ser	Ala	Leu	Leu	Gln	Asn	Leu	Gln	Glu	
	1250					1255					1260					
Ser	Ser	Gln	Trp	Glu	Leu	Ala	Leu	Arg	Phe	Val	Val	Gly	Ser	Phe	Gly	
1265					1270					1275					1280	
Thr	Cys	Leu	Gln	His	Ser	Val	Ser	Asn	Phe	Met	Asn	Ala	Thr	Leu	Ser	
			1285						1290					1295		
Glu	Lys	Leu	Phe	Gly	Glu	Thr	Thr	Leu	Val	Lys	Ser	Arg	His	Val	Val	
		1300						1305					1310			
Met	Glu	Leu	Lys	Glu	Lys	Ala	Val	Ile	Phe	Ile	Arg	Glu	Asn	Ala	Thr	
	1315						1320					1325				
Thr	Leu	Leu	His	Lys	Val	Phe	Asn	Cys	Arg	Leu	Val	Asp	Leu	Asp	Leu	
	1330					1335					1340					
Ala	Leu	Gly	Tyr	Cys	Thr	Leu	Leu	Pro	Gln	Lys	Asp	Val	Phe	Glu	Asn	
1345					1350					1355					1360	
Leu	Trp	Lys	Leu	Ile	Asp	Lys	Ala	Trp	Gln	Asn	Tyr	Asp	Lys	Ile	Leu	
			1365						1370					1375		
Ala	Ile	Ser	Leu	Val	Gly	Ser	Glu	Leu	Ala	Ser	Leu	Tyr	Gln	Glu	Ile	
	1380							1385					1390			
Glu	Met	Gly	Leu	Lys	Phe	Arg	Glu	Leu	Ser	Thr	Asp	Ala	Gln	Trp	Gly	
	1395						1400					1405				
Ile	Arg	Leu	Gly	Lys	Leu	Gly	Ile	Ser	Phe	Gln	Pro	Val	Phe	Arg	Gln	
	1410					1415					1420					
His	Phe	Leu	Thr	Lys	Lys	Asp	Leu	Ile	Lys	Ala	Leu	Val	Glu	Asn	Ile	
1425					1430					1435					1440	
Asp	Met	Asp	Thr	Ser	Leu	Ile	Leu	Glu	Tyr	Cys	Ser	Thr	Phe	Gln	Leu	
			1445						1450					1455		
Asp	Cys	Asp	Ala	Val	Leu	Gln	Leu	Phe	Ile	Glu	Thr	Leu	Leu	His	Asn	
	1460							1								

Val Asp Leu Glu Tyr Gln Tyr Met Leu Glu His Val Ile Thr Leu Pro  
 1570 1575 1580  
 Ser Ala Ala Gln Thr Arg Leu Pro Phe His Leu Ile Phe Phe Gly Thr  
 1585 1590 1595 1600  
 Ala Gln Asn Phe Trp Lys Ile Leu Ser Thr Glu Leu Ser Glu Glu Ser  
 1605 1610 1615  
 Phe Pro Thr Leu Leu Leu Ile Ser Lys Leu Met Lys Phe Ser Leu Asp  
 1620 1625 1630  
 Thr Leu Tyr Val Ser Thr Ala Lys His Val Phe Glu Lys Lys Leu Lys  
 1635 1640 1645  
 Pro Lys Leu Leu Lys Leu Thr Gln Ala Lys Ser Ser Thr Leu Ile Asn  
 1650 1655 1660  
 Lys Glu Ile Thr Lys Ile Thr Gln Thr Ile Glu Ser Cys Leu Leu Ser  
 1665 1670 1675 1680  
 Ile Val Asn Pro Glu Trp Ala Val Ala Ile Ala Ile Ser Leu Ala Gln  
 1685 1690 1695  
 Asp Ile Pro Glu Gly Ser Phe Lys Ile Ser Ala Leu Lys Phe Cys Leu  
 1700 1705 1710  
 Tyr Leu Ala Glu Arg Trp Leu Gln Asn Ile Pro Ser Gln Asp Glu Lys  
 1715 1720 1725  
 Arg Glu Lys Ala Glu Ala Leu Leu Lys Lys Leu His Ile Gln Tyr Arg  
 1730 1735 1740  
 Arg Ser Gly Thr Glu Ala Val Leu Ile Ala His Lys Leu Asn Thr Glu  
 1745 1750 1755 1760  
 Glu Tyr Leu Arg Val Ile Gly Lys Pro Ala His Leu Ile Val Ser Leu  
 1765 1770 1775  
 Tyr Glu His Pro Ser Ile Asn Gln Arg Ile Gln Asn Ser Ser Gly Thr  
 1780 1785 1790  
 Asp Tyr Pro Asp Ile His Ala Ala Lys Glu Ile Ala Glu Val Asn  
 1795 1800 1805  
 Glu Ile Asn Leu Glu Lys Val Trp Asp Met Leu Leu Glu Lys Trp Leu  
 1810 1815 1820  
 Cys Pro Ser Thr Lys Pro Gly Glu Lys Pro Ser Glu Leu Phe Glu Leu  
 1825 1830 1835 1840  
 Gln Glu Asp Glu Ala Leu Arg Arg Val Gln Tyr Leu Leu Leu Ser Arg  
 1845 1850 1855  
 Pro Ile Asp Tyr Ser Ser Arg Met Leu Phe Val Phe Ala Thr Ser Thr  
 1860 1865 1870  
 Thr Thr Thr Leu Gly Met His Gln Leu Thr Phe Ala His Arg Thr Arg  
 1875 1880 1885  
 Ala Leu Gln Cys Leu Phe Tyr Leu Ala Asp Lys Glu Thr Ile Glu Ser  
 1890 1895 1900  
 Leu Phe Lys Lys Pro Ile Glu Glu Val Lys Ser Tyr Leu Arg Cys Ile  
 1905 1910 1915 1920  
 Thr Phe Leu Ala Ser Phe Glu Thr Leu Asn Ile Pro Ile Thr Tyr Glu  
 1925 1930 1935  
 Leu Phe Cys Ser Ser Pro Lys Glu Gly Met Ile Lys Gly Leu Trp Lys  
 1940 1945 1950  
 Asn His Ser His Glu Ser Met Ala Val Arg Leu Val Thr Glu Leu Cys  
 1955 1960 1965  
 Leu Glu Tyr Lys Ile Tyr Asp Leu Gln Leu Trp Asn Gly Leu Leu Gln  
 1970 1975 1980  
 Lys Leu Leu Gly Phe Asn Met Ile Pro Tyr Leu Arg Lys Val Leu Lys  
 1985 1990 1995 2000

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Ala Ile Ser Ser Ile His Ser Leu Trp Gln Val Pro Tyr Phe Ser Lys  
 2005 2010 2015  
 Ala Trp Gln Arg Val Ile Gln Ile Pro Leu Leu Ser Ala Ser Cys Pro  
 2020 2025 2030  
 Leu Ser Pro Asp Gln Leu Ser Asp Cys Ser Glu Ser Leu Ile Ala Val  
 2035 2040 2045  
 Leu Glu Cys Pro Val Ser Gly Asp Leu Asp Leu Ile Gly Val Ala Arg  
 2050 2055 2060  
 Gln Tyr Ile Gln Leu Glu Leu Pro Ala Phe Ala Leu Ala Cys Leu Met  
 2065 2070 2075 2080  
 Leu Met Pro His Ser Glu Lys Arg His Gln Gln Ile Lys Asn Phe Leu  
 2085 2090 2095  
 Gly Ser Cys Asp Pro Gln Val Ile Leu Lys Gln Leu Glu Glu His Met  
 2100 2105 2110  
 Asn Thr Gly Gln Leu Ala Gly Phe Ser His Gln Ile Arg Ser Leu Ile  
 2115 2120 2125  
 Leu Asn Asn Ile Ile Asn Lys Lys Glu Phe Gly Ile Leu Ala Lys Thr  
 2130 2135 2140  
 Lys Tyr Phe Gln Met Leu Lys Met His Ala Met Asn Thr Asn Asn Ile  
 2145 2150 2155 2160  
 Thr Glu Leu Val Asn Tyr Leu Ala Asn Asp Leu Ser Leu Asp Glu Ala  
 2165 2170 2175  
 Ser Val Leu Ile Thr Glu Tyr Ser Lys His Cys Gly Lys Pro Val Pro  
 2180 2185 2190  
 Pro Asp Thr Ala Pro Cys Glu Ile Leu Lys Met Phe Leu Ser Gly Leu  
 2195 2200 2205  
 Ser

<210> 1904  
 <211> 197  
 <212> PRT  
 <213> Homo sapiens

<400> 1904  
 Met Gln Arg Ala Ser Arg Leu Lys Arg Glu Leu His Met Leu Ala Thr  
 1 5 10 15  
 Glu Pro Pro Pro Gly Ile Thr Cys Trp Gln Asp Lys Asp Gln Met Asp  
 20 25 30  
 Asp Leu Arg Ala Gln Ile Leu Gly Gly Ala Asn Thr Pro Tyr Glu Lys  
 35 40 45  
 Gly Val Phe Lys Leu Glu Val Ile Ile Pro Glu Arg Tyr Pro Phe Glu  
 50 55 60  
 Pro Pro Gln Ile Arg Phe Leu Thr Pro Ile Tyr His Pro Asn Ile Asp  
 65 70 75 80  
 Ser Ala Gly Arg Ile Cys Leu Asp Val Leu Lys Leu Pro Pro Lys Gly  
 85 90 95  
 Ala Trp Arg Pro Ser Leu Asn Ile Ala Thr Val Leu Thr Ser Ile Gln  
 100 105 110  
 Leu Leu Met Ser Glu Pro Asn Pro Asp Asp Pro Leu Met Ala Asp Ile  
 115 120 125  
 Ser Ser Glu Phe Lys Tyr Asn Lys Pro Ala Phe Leu Lys Asn Ala Arg  
 130 135 140



Gln Trp Thr Glu Lys His Ala Arg Gln Lys Gln Lys Ala Asp Glu Glu  
 145 150 155 160  
 Glu Met Leu Asp Asn Leu Pro Glu Ala Gly Asp Ser Arg Val His Asn  
 165 170 175  
 Ser Thr Gln Lys Arg Lys Ala Ser Gln Leu Val Gly Ile Glu Lys Lys  
 180 185 190  
 Phe His Pro Asp Val  
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<210> 1905  
 <211> 202  
 <212> PRT  
 <213> Homo sapiens

<400> 1905  
 Met Ala Thr Leu Ile Tyr Val Asp Lys Glu Asn Gly Glu Pro Gly Thr  
 1 5 10 15  
 Arg Val Val Ala Lys Asp Gly Leu Lys Leu Gly Ser Gly Pro Ser Ile  
 20 25 30  
 Lys Ala Leu Asp Gly Arg Ser Gln Val Ser Thr Pro Arg Phe Gly Lys  
 35 40 45  
 Thr Phe Asp Ala Pro Pro Ala Leu Pro Lys Ala Thr Arg Lys Ala Leu  
 50 55 60  
 Gly Thr Val Asn Arg Ala Thr Glu Lys Ser Val Lys Thr Lys Gly Pro  
 65 70 75 80  
 Leu Lys Gln Lys Gln Pro Ser Phe Ser Ala Lys Lys Met Thr Glu Lys  
 85 90 95  
 Thr Val Lys Ala Lys Ser Ser Val Pro Ala Ser Asp Asp Ala Tyr Pro  
 100 105 110  
 Glu Ile Glu Lys Phe Phe Pro Phe Asn Pro Leu Asp Phe Glu Ser Phe  
 115 120 125  
 Asp Leu Pro Glu Glu His Gln Ile Ala His Leu Pro Leu Ser Gly Val  
 130 135 140  
 Pro Leu Met Ile Leu Asp Glu Glu Arg Glu Leu Glu Lys Leu Phe Gln  
 145 150 155 160  
 Leu Gly Pro Pro Ser Pro Val Lys Met Pro Ser Pro Pro Trp Glu Ser  
 165 170 175  
 Asn Leu Leu Gln Ser Pro Ser Ser Ile Leu Ser Thr Leu Asp Val Glu  
 180 185 190  
 Leu Pro Pro Val Cys Cys Asp Ile Asp Ile  
 195 200

<210> 1906  
 <211> 464  
 <212> PRT  
 <213> Homo sapiens

<400> 1906  
 Met Glu Thr Leu Ser Phe Pro Arg Tyr Asn Ile Ala Glu Ile Val Val  
 1 5 10 15  
 His Ile Arg Asn Lys Leu Leu Thr Gly Ala Asp Gly Lys Asn Leu Ser  
 20 25 30

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Lys Ser Asp Phe Leu Pro Asn Pro Lys Pro Glu Val Leu Tyr Met Ile  
 35 40 45  
 Tyr Met Arg Ala Leu Gln Leu Val Tyr Gly Val Arg Leu Glu His Phe  
 50 55 60  
 Tyr Met Met Pro Val Asn Ile Glu Val Met Tyr Pro His Ile Met Glu  
 65 70 75 80  
 Gly Phe Leu Pro Val Ser Asn Leu Phe Phe His Leu Asp Ser Phe Met  
 85 90 95  
 Pro Ile Cys Arg Val Asn Asp Phe Glu Ile Ala Asp Ile Leu Tyr Pro  
 100 105 110  
 Lys Ala Asn Arg Thr Ser Arg Phe Leu Ser Gly Ile Ile Asn Phe Ile  
 115 120 125  
 His Phe Arg Glu Thr Cys Leu Glu Lys Tyr Glu Glu Phe Leu Leu Gln  
 130 135 140  
 Asn Lys Ser Ser Val Asp Lys Ile Gln Gln Leu Ser Asn Ala His Gln  
 145 150 155 160  
 Glu Ala Leu Met Lys Leu Glu Lys Leu Asn Ser Val Pro Val Glu Glu  
 165 170 175  
 Gln Glu Glu Phe Lys Gln Leu Lys Asp Asp Ile Gln Glu Leu Gln His  
 180 185 190  
 Leu Leu Asn Gln Asp Phe Arg Gln Lys Thr Thr Leu Leu Gln Glu Arg  
 195 200 205  
 Tyr Thr Lys Met Lys Ser Asp Phe Ser Glu Lys Thr Lys His Val Asn  
 210 215 220  
 Glu Leu Lys Leu Ser Val Val Ser Leu Lys Glu Val Gln Asp Ser Leu  
 225 230 235 240  
 Lys Ser Lys Ile Val Asp Ser Pro Glu Lys Leu Lys Asn Tyr Lys Glu  
 245 250 255  
 Lys Met Lys Asp Thr Val Gln Lys Leu Arg Ser Ala Arg Glu Glu Val  
 260 265 270  
 Met Glu Lys Tyr Asp Ile Tyr Arg Asp Ser Val Asp Cys Leu Pro Ser  
 275 280 285  
 Cys Gln Leu Glu Val Gln Leu Tyr Gln Lys Lys Ser Gln Asp Leu Ala  
 290 295 300  
 Asp Asn Arg Glu Lys Leu Ser Ser Ile Leu Lys Glu Ser Leu Asn Leu  
 305 310 315 320  
 Glu Gly Gln Ile Asp Ser Asp Ser Ser Glu Leu Lys Lys Leu Lys Thr  
 325 330 335  
 Glu Glu Asn Ser Leu Ile Arg Leu Met Thr Leu Lys Lys Glu Arg Leu  
 340 345 350  
 Ala Thr Met Gln Phe Lys Ile Asn Lys Lys Gln Glu Asp Val Lys Gln  
 355 360 365  
 Tyr Lys Arg Thr Met Ile Glu Asp Cys Asn Lys Val Gln Glu Lys Arg  
 370 375 380  
 Asp Ala Val Cys Glu Gln Val Thr Ala Ile Asn Gln Asp Ile His Lys  
 385 390 395 400  
 Ile Lys Ser Gly Ile Gln Gln Leu Arg Asp Ala Glu Lys Arg Glu Lys  
 405 410 415  
 Leu Lys Ser Gln Glu Ile Leu Val Asp Leu Lys Ser Ala Leu Glu Lys  
 420 425 430  
 Tyr His Glu Gly Ile Glu Lys Thr Thr Glu Glu Cys Cys Thr Arg Ile  
 435 440 445  
 Gly Gly Lys Thr Ala Glu Leu Lys Arg Arg Met Phe Lys Met Pro Pro  
 450 455 460

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<210> 1907  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 1907

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Met Ala Glu Pro Trp Gly Asn Glu Leu Ala Ser Ala Ala Ala Arg Gly
 1      5      10      15
Asp Leu Glu Gln Leu Thr Ser Leu Leu Gln Asn Asn Val Asn Val Asn
      20      25      30
Ala Gln Asn Gly Phe Gly Arg Thr Ala Leu Gln Val Met Lys Leu Gly
      35      40      45
Asn Pro Glu Ile Ala Arg Arg Leu Leu Leu Arg Gly Ala Asn Pro Asp
      50      55      60
Leu Lys Asp Arg Thr Gly Phe Ala Val Ile His Asp Ala Ala Arg Ala
      65      70      75      80
Gly Phe Leu Asp Thr Leu Gln Thr Leu Leu Glu Phe Gln Ala Asp Val
      85      90      95
Asn Ile Glu Asp Asn Glu Gly Asn Leu Pro Leu His Leu Ala Ala Lys
      100     105     110
Glu Gly His Leu Arg Val Val Glu Phe Leu Val Lys His Thr Ala Ser
      115     120     125
Asn Val Gly His Arg Asn His Lys Gly Asp Thr Ala Cys Asp Leu Ala
      130     135     140
Arg Leu Tyr Gly Arg Asn Glu Val Val Ser Leu Met Gln Ala Asn Gly
      145     150     155     160
Ala Gly Gly Ala Thr Asn Leu Gln
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<210> 1908  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 1908

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Met Glu Pro Ala Ala Gly Ser Ser Met Glu Pro Ser Ala Asp Trp Leu
 1      5      10      15
Ala Thr Ala Ala Ala Arg Gly Arg Val Glu Glu Val Arg Ala Leu Leu
      20      25      30
Glu Ala Gly Ala Leu Pro Asn Ala Pro Asn Ser Tyr Gly Arg Arg Pro
      35      40      45
Ile Gln Val Met Met Met Gly Ser Ala Arg Val Ala Glu Leu Leu Leu
      50      55      60
Leu His Gly Ala Glu Pro Asn Cys Ala Asp Pro Ala Thr Leu Thr Arg
      65      70      75      80
Pro Val His Asp Ala Ala Arg Glu Gly Phe Leu Asp Thr Leu Val Val
      85      90      95
Leu His Arg Ala Gly Ala Arg Leu Asp Val Arg Asp Ala Trp Gly Arg
      100     105     110
Leu Pro Val Asp Leu Ala Glu Glu Leu Gly His Arg Asp Val Ala Arg
      115     120     125

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Tyr Leu Arg Ala Ala Ala Gly Gly Thr Arg Gly Ser Asn His Ala Arg  
 130 135 140  
 Ile Asp Ala Ala Glu Gly Pro Ser Asp Ile Pro Asp  
 145 150 155

<210> 1909  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<400> 1909  
 Met Lys Lys Ser Gly Val Leu Phe Leu Leu Gly Ile Ile Leu Leu Val  
 1 5 10 15  
 Leu Ile Gly Val Gln Gly Thr Pro Val Val Arg Lys Gly Arg Cys Ser  
 20 25 30  
 Cys Ile Ser Thr Asn Gln Gly Thr Ile His Leu Gln Ser Leu Lys Asp  
 35 40 45  
 Leu Lys Gln Phe Ala Pro Ser Pro Ser Cys Glu Lys Ile Glu Ile Ile  
 50 55 60  
 Ala Thr Leu Lys Asn Gly Val Gln Thr Cys Leu Asn Pro Asp Ser Ala  
 65 70 75 80  
 Asp Val Lys Glu Leu Ile Lys Lys Trp Glu Lys Gln Val Ser Gln Lys  
 85 90 95  
 Lys Lys Gln Lys Asn Gly Lys Lys His Gln Lys Lys Lys Val Leu Lys  
 100 105 110  
 Val Arg Lys Ser Gln Arg Ser Arg Gln Lys Lys Thr Thr  
 115 120 125

<210> 1910  
 <211> 931  
 <212> DNA  
 <213> Homo sapiens

<400> 1910  
 caacagtcag aggtcgcgca ggcgctggta ccccgttggt ccgcgcgttg ctgcgttggtg 60  
 aggggtgtca gctcagtgca tcccaggcag ctcttagtgt ggagcagtga actgtgtgtg 120  
 gttccttcta cttggggatc atgcagagag cttcrcgtct gaagagagag ctgcacatgt 180  
 tagccacaga gccaccccca ggcacacat gttggcaaga taaagaccaa atggatgacc 240  
 tgcgagctca aatattaggt ggagccaaca caccttatga gaaaggtgtt ttttaagctag 300  
 aagttatcat tcttgagagg taccatttg aacctcctca gatccgattt ctactccaa 360  
 tttatcatcc aaacattgat tctgctggaa ggatttgtct ggatgttctc aaattgccac 420  
 caaaaggtgc ttggagacca tccctcaaca tcgcaactgt gttgacctct attcagctgc 480  
 tcatgtcaga acccaaccct gatgaccgc tcatggctga catatcctca gaatttaaat 540  
 ataataagcc agccttctc aagaatgcca gacagtggac agagaagcat gcaagacaga 600  
 aacaaaaggc tgatgaggaa gagatgcttg ataactacc agaggctggg gactccagag 660  
 tacacaactc aacacagaaa aggaaggcca gtcagctagt aggcatagaa aagaaatttc 720  
 atcctgatgt ttaggggact tgtcctgggt catcttagtt aatgtgttct ttgccaaagg 780  
 gatctaagtt gcctaccttg aatTTTTTTT taaatatatt tgatgacata atTTTTTgtg 840  
 agttttattta tcttgtaacat atgtattttg aaatctttta aacctgaaaa ataaatagtc 900  
 atttaattgtt gaaaaaaaaa aaaaaaaaaa a 931

<210> 1911

<211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 1911  
 gctaaaggtg accccaagaa accaaaag

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<210> 1912  
 <211> 37  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 1912  
 ctattaactc gagggagaca gataaacagt ttcttta

37

<210> 1913  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 1913  
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 Lys Gly Lys Met Ser Ala Tyr Ala Phe Val Gln Thr Cys Arg Glu  
 20 25 30  
 Glu His Lys Lys Lys Asn Pro Glu Val Pro Val Asn Phe Ala Glu Phe  
 35 40 45  
 Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Gly Lys Glu Lys  
 50 55 60  
 Ser Lys Phe Asp Glu Met Ala Lys Ala Asp Lys Val Arg Tyr Asp Arg  
 65 70 75 80  
 Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys Asp  
 85 90 95  
 Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys Ser  
 100 105 110  
 Glu Phe Arg Pro Lys Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile Gly  
 115 120 125  
 Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Leu Asn Asp Ser  
 130 135 140  
 Glu Lys Gln Pro Tyr Ile Thr Lys Ala Ala Lys Leu Lys Glu Lys Tyr  
 145 150 155 160  
 Glu Lys Asp Val Ala Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly Ala  
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 195 200 205

1007442001

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 <211> 624  
 <212> DNA  
 <213> Homo sapiens

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 gtccctgtca attttgcgga attttccaag aagtgtcttg agaggtggaa gacgatgtcc 180  
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 aaaaggccac cgtctggatt cttcctgttc tgttcagaat tccgccccaa gatcaaattcc 360  
 acaaaccctg gcattctctat tggagacgtg gcaaaaaagc tgggtgagat gtggaataat 420  
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 gagaaggatg ttgctgacta taagtcgaaa ggaaagtgtg atggtgcaaa ggggtccagct 540  
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<210> 1915  
 <211> 28  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 1915  
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<210> 1916  
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<400> 1916  
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<210> 1917  
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 <213> Homo sapiens

<400> 1917  
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 35 40 45  
 Gly Gly Lys Cys Leu Leu Leu Asp Cys Arg Pro Phe Leu Ala His Ser

1001754000

50 55 60  
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 85 90 95  
 Glu Glu Glu Val Arg Ala Arg Leu Arg Ser Gly Leu Tyr Ser Ala Val  
 100 105 110  
 Ile Val Tyr Asp Glu Arg Ser Pro Arg Ala Glu Ser Leu Arg Glu Asp  
 115 120 125  
 Ser Thr Val Ser Leu Val Val Gln Ala Leu Arg Arg Asn Ala Glu Arg  
 130 135 140  
 Thr Asp Ile Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu  
 145 150 155 160  
 Tyr Pro Glu Phe Cys Ser Lys Thr Lys Ala Leu Ala Ala Ile Pro Pro  
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 Pro Val Pro Pro Ser Ala Thr Glu Pro Leu Asp Leu Gly Cys Ser Ser  
 180 185 190  
 Cys Gly Thr Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro  
 195 200 205  
 Phe Leu Tyr Leu Gly Ser Ala Tyr His Ala Ala Arg Arg Asp Met Leu  
 210 215 220  
 Asp Ala Leu Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro  
 225 230 235 240  
 Asn His Phe Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp  
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 Asn His Lys Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr  
 260 265 270  
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&lt;210&gt; 1918

&lt;211&gt; 1209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1918

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<210> 1919

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1919

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<223> PCR primer

<400> 1920

ctgagaattc attaaacttg tggttgctct tcacc

35

<210> 1921

<211> 167

<212> PRT

<213> Homo sapiens

<400> 1921

Met Gln His His His His His Arg Cys His Ala His Gly Pro Ser

1

5

10

15

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20

25

30

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<210> 1922
<211> 507
<212> DNA
<213> Homo sapiens
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<210> 1923
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<212> DNA
<213> Homo sapiens
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tgaaaaaaa aa 3192

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<210> 1924

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 787, 1453, 1521, 1727

<223> n = A,T,C or G

<400> 1924

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<210> 1925
<211> 456
<212> PRT
<213> Homo sapiens
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Ile	Ser	Leu	Thr	Val	Leu	Phe	Thr	Leu	Leu	Leu	Val	Phe	Ile	Ile	Val
			20					25					30		
Pro	Ala	Ile	Phe	Gly	Val	Ser	Phe	Gly	Ile	Arg	Lys	Leu	Tyr	Met	Lys
		35					40					45			
Ser	Leu	Leu	Lys	Ile	Phe	Ala	Trp	Ala	Thr	Leu	Arg	Met	Glu	Arg	Gly
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Ala	Lys	Glu	Lys	Asn	His	Gln	Leu	Tyr	Lys	Pro	Tyr	Thr	Asn	Gly	Ile
65				70					75					80	
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			85					90					95		
Arg	Ser	Gly	Ser	Ser	Lys	Ala	Leu	Asp	Asn	Thr	Pro	Glu	Phe	Glu	Leu

		100						105					110				
Ser	Asp	Ile	Phe	Tyr	Phe	Cys	Arg	Lys	Gly	Met	Glu	Thr	Ile	Met	Asp		
		115						120					125				
Asp	Glu	Val	Thr	Lys	Arg	Phe	Ser	Ala	Glu	Glu	Leu	Glu	Ser	Trp	Asn		
		130						135					140				
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145					150				155						160		
Thr	Val	Leu	Trp	Gly	Leu	Gly	Val	Leu	Ile	Arg	Tyr	Cys	Phe	Leu	Leu		
				165					170						175		
Pro	Leu	Arg	Ile	Ala	Leu	Ala	Phe	Thr	Gly	Ile	Ser	Leu	Leu	Val	Val		
			180					185						190			
Gly	Thr	Thr	Val	Val	Gly	Tyr	Leu	Pro	Asn	Gly	Arg	Phe	Lys	Glu	Phe		
		195					200					205					
Met	Ser	Lys	His	Val	His	Leu	Met	Cys	Tyr	Arg	Ile	Cys	Val	Arg	Ala		
		210				215					220						
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225					230					235					240		
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			260					265					270				
Leu	Met	Gly	Val	Ile	Gln	Arg	Ala	Met	Val	Lys	Ala	Cys	Pro	His	Val		
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Trp	Phe	Glu	Arg	Ser	Glu	Val	Lys	Asp	Arg	His	Leu	Val	Ala	Lys	Arg		
		290				295					300						
Leu	Thr	Glu	His	Val	Gln	Asp	Lys	Ser	Lys	Leu	Pro	Ile	Leu	Ile	Phe		
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Pro	Glu	Gly	Thr	Cys	Ile	Asn	Asn	Thr	Ser	Val	Met	Met	Phe	Lys	Lys		
				325					330					335			
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			420					425					430				
Thr	Phe	Lys	Glu	Glu	Gln	Gln	Lys	Leu	Tyr	Ser	Lys	Met	Ile	Val	Gly		
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Asn	His	Lys	Asp	Arg	Ser	Arg	Ser										
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&lt;210&gt; 1926

&lt;211&gt; 324

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1926

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 35 40 45  
 Ile Gly Val Leu Arg Arg Thr Gly Ala Asn His Glu Gly Ser Ala Ser  
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 Arg Gln Lys Ala Leu Ser Leu Val Ser Cys Phe Ala Gly Gly Val Phe  
 65 70 75 80  
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 Asp Glu Ala Leu Ala Ala Leu His Val Thr Leu Gln Phe Pro Leu Gln  
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 Thr Arg Ala Leu Leu Gly Thr Val Asn Gly Gly Pro Gln His Trp His  
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 Phe Glu Gly Leu Ala Val Gly Leu Gln Arg Asp Arg Ala Arg Ala Met  
 195 200 205  
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 225 230 235 240  
 Gly Cys Gly Ile Leu Phe Ser Cys Met Thr Pro Leu Gly Ile Gly Leu  
 245 250 255  
 Gly Ala Ala Leu Ala Glu Ser Ala Gly Pro Leu His Gln Leu Ala Gln  
 260 265 270  
 Ser Val Leu Glu Gly Met Ala Ala Gly Thr Phe Leu Tyr Ile Thr Phe  
 275 280 285  
 Leu Glu Ile Leu Pro Gln Glu Leu Ala Ser Ser Glu Gln Arg Ile Leu  
 290 295 300  
 Lys Val Ile Leu Leu Leu Ala Gly Phe Ala Leu Leu Thr Gly Leu Leu  
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 Phe Ile Gln Ile

&lt;210&gt; 1927

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1927

Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly Cys Cys Trp  
 1 5 10 15

&lt;210&gt; 1928

<211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1928  
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 Asp Leu Gly Ser  
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<210> 1929  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1929  
 Ile Ile Pro Lys Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu  
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 Gln Pro Gln Val  
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<210> 1930  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 1930  
 Leu Ser Ile Pro His Pro Tyr Ala Tyr Pro Asp Tyr Tyr Pro Tyr Ala  
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 Trp Phe Gly Val Asn Pro Gly Met  
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<210> 1931  
 <211> 1526  
 <212> DNA  
 <213> Homo sapiens

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<210> 1932
<211> 404
<212> PRT
<213> Homo sapiens
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Asp	Ser	Phe 35	Leu	Pro	Ile	Cys	Arg 40	Val	Asn	Asp	Phe	Glu 45	Thr	Ala	Asp
Ile 50	Leu	Cys	Pro	Lys	Ala	Lys 55	Arg	Thr	Ser	Arg	Phe 60	Leu	Ser	Gly	Ile
Ile 65	Asn	Phe	Ile	His	Phe 70	Arg	Glu	Ala	Cys 75	Arg	Glu	Thr	Tyr	Met	Glu
Phe	Leu	Trp	Gln 85	Tyr	Lys	Ser	Ser	Ala 90	Asp	Lys	Met	Gln	Gln	Leu	Asn
Ala	Ala	His 100	Gln	Glu	Ala	Leu	Met 105	Lys	Leu	Glu	Arg	Leu	Asp 110	Ser	Val
Pro	Val	Glu 115	Gln	Glu	Glu	Glu 120	Phe	Lys	Gln	Leu	Ser	Asp 125	Gly	Ile	Gln
Glu 130	Leu	Gln	Gln	Ser	Leu	Asn 135	Gln	Asp	Phe	His	Gln 140	Lys	Thr	Ile	Val
Leu 145	Gln	Glu	Gly	Asn 150	Ser	Gln	Lys	Lys	Ser	Asn 155	Ile	Ser	Glu	Lys	Thr
Lys	Arg	Leu	Asn 165	Glu	Leu	Lys	Leu	Leu 170	Val	Val	Ser	Leu	Lys 175	Glu	Ile
Gln	Glu	Ser 180	Leu	Lys	Thr	Lys	Ile 185	Val	Asp	Ser	Pro	Glu	Lys 190	Leu	Lys
Asn	Tyr 195	Lys	Glu	Lys	Met	Lys	Asp 200	Thr	Val	Gln	Lys	Leu 205	Lys	Asn	Ala
Arg	Gln 210	Glu	Val	Val	Glu	Lys 215	Tyr	Glu	Ile	Tyr	Gly 220	Asp	Ser	Val	Asp
Cys 225	Leu	Pro	Ser	Cys 230	Gln	Leu	Glu	Val	Gln	Leu 235	Tyr	Gln	Lys	Lys	Ile
Gln	Asp	Leu	Ser 245	Asp	Asn	Arg	Glu	Lys 250	Leu	Ala	Ser	Ile	Leu 255	Lys	Glu
Ser	Leu	Asn 260	Leu	Glu	Asp	Gln	Ile 265	Glu	Ser	Asp	Glu	Ser	Glu 270	Leu	Lys

Lys Leu Lys Thr Glu Glu Asn Ser Phe Lys Arg Leu Met Ile Val Lys  
 275 280 285  
 Lys Glu Lys Leu Ala Thr Ala Gln Phe Lys Ile Asn Lys Lys His Glu  
 290 295 300  
 Asp Val Lys Gln Tyr Lys Arg Thr Val Ile Glu Asp Cys Asn Lys Val  
 305 310 315 320  
 Gln Glu Lys Arg Gly Ala Val Tyr Glu Arg Val Thr Thr Ile Asn Gln  
 325 330 335  
 Glu Ile Gln Lys Ile Lys Leu Gly Ile Gln Gln Leu Lys Asp Ala Ala  
 340 345 350  
 Glu Arg Glu Lys Leu Lys Ser Gln Glu Ile Phe Leu Asn Leu Lys Thr  
 355 360 365  
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 Lys Met Ser Thr

<210> 1933  
 <211> 1836  
 <212> DNA  
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 ggcacgaggg caagtttgaa aagtgatgac ggttgacggt tgctgatttt tgactttgct 60  
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 aaactttcaa gatggaaact ttgtctttcc ccagatataa tgtagctgag attgtgattc 180  
 atattcgcaa taagatctta acaggagctg atggtaaaaa cctcaccaag aatgatcttt 240  
 atccaaatcc aaagcctgaa gtcttgacac tgatctacat gagagcctta caaatagtat 300  
 atggaattcg actggaacat ttttacatga tgccagtga ctctgaagtc atgtatccac 360  
 atttaattgga aggtctctta ccattcagca atttagttac tcatctggac tcatttttgc 420  
 ctatctgccg ggtgaatgac tttgagactg ctgatattct atgtccaaa gcaaacgga 480  
 caagtcggtt tttaagtggc attatcaact ttattcactt cagagaagca tgccgtgaaa 540  
 cgtatatgga atttcttttg caatataaat cctctgcgga caaaatgcaa cagttaaacg 600  
 ccgcacacca ggaggcatta atgaaactgg agagacttga ttctgttcca gttgaagagc 660  
 aagaagagtt caagcagctt tcagatggta ttcaggagct acaacaatca cttaatcagg 720  
 attttcatca aaaaacgata gtgctgcaag agggaaattc caaaagaag tcaaatat 780  
 cagagaaaac caagcgtttg aatgaactaa aattgttggt gggttctttg aaagaaatac 840  
 aagagagttt gaaaacaaaa attgtggatt ctccagagaa gttaaagaat tataaagaaa 900  
 aatgaaaga tacggtccag aagcttaaaa atgccagaca agaagtgggt gagaaatatg 960  
 aatctatgg agactcagtt gactgcctgc cttcatgtca gttggaagt cagttatatc 1020  
 aaaagaaaat acaggacctt tcagataata gggaaaaatt agccagtatc ttaaaggaga 1080  
 gcctgaactt ggaggaccaa attgagagtg atgagtcaga actgaagaaa ttgaagactg 1140  
 aagaaaattc gttcaaaaaga ctgatgattg tgaagaagga aaaacttgcc acagcacaat 1200  
 tcaaaataaa taagaagcat gaagatgta agcaatacaa acgcacagta attgaggatt 1260  
 gcaataaagt tcaagaaaaa agaggtgctg tctatgaag agtaaccaca attaatcaag 1320  
 aatccaaaaa aattaaactt ggaattcaac aactaaaaga tgctgctgaa agggagaaac 1380  
 tgaagtccca ggaaatat 1440  
 ttgaaaaggc agcagaggac tcctatgcta agatagatga gaagacagct gaactgaaga 1500  
 ggaagatggt caaaatgtca acctgattaa caaaattaca tgtctttttg taaatggctt 1560  
 gccatctttt aattttctat ttagaaagaa aagttgaagc gaatggaagt atcagaagta 1620  
 ccaaataatg ttggcttcat cagtttttat acactctcat aagtagttaa taagatgaat 1680



ttaatgtagg cttttattaa ttataatta aaataacttg tgcagctatt catgtctcta 1740  
 ctctgccct tgttgtaaat agtttgagta aaacaaaact agttaccttt gaaatatata 1800  
 ttttttttc tgttaaaaaa aaaaaaaaaa aaaaaa 1836

<210> 1934  
 <211> 464  
 <212> PRT  
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<400> 1934

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			20					25					30		
Lys	Asn	Asp	Leu	Tyr	Pro	Asn	Pro	Lys	Pro	Glu	Val	Leu	His	Met	Ile
		35				40					45				
Tyr	Met	Arg	Ala	Leu	Gln	Ile	Val	Tyr	Gly	Ile	Arg	Leu	Glu	His	Phe
	50				55					60					
Tyr	Met	Met	Pro	Val	Asn	Ser	Glu	Val	Met	Tyr	Pro	His	Leu	Met	Glu
	65				70				75					80	
Gly	Phe	Leu	Pro	Phe	Ser	Asn	Leu	Val	Thr	His	Leu	Asp	Ser	Phe	Leu
				85				90					95		
Pro	Ile	Cys	Arg	Val	Asn	Asp	Phe	Glu	Thr	Ala	Asp	Ile	Leu	Cys	Pro
			100				105						110		
Lys	Ala	Lys	Arg	Thr	Ser	Arg	Phe	Leu	Ser	Gly	Ile	Ile	Asn	Phe	Ile
		115				120						125			
His	Phe	Arg	Glu	Ala	Cys	Arg	Glu	Thr	Tyr	Met	Glu	Phe	Leu	Trp	Gln
	130				135						140				
Tyr	Lys	Ser	Ser	Ala	Asp	Lys	Met	Gln	Gln	Leu	Asn	Ala	Ala	His	Gln
	145				150					155				160	
Glu	Ala	Leu	Met	Lys	Leu	Glu	Arg	Leu	Asp	Ser	Val	Pro	Val	Glu	Glu
			165					170						175	
Gln	Glu	Glu	Phe	Lys	Gln	Leu	Ser	Asp	Gly	Ile	Gln	Glu	Leu	Gln	Gln
			180					185					190		
Ser	Leu	Asn	Gln	Asp	Phe	His	Gln	Lys	Thr	Ile	Val	Leu	Gln	Glu	Gly
		195				200						205			
Asn	Ser	Gln	Lys	Lys	Ser	Asn	Ile	Ser	Glu	Lys	Thr	Lys	Arg	Leu	Asn
	210					215					220				
Glu	Leu	Lys	Leu	Leu	Val	Val	Ser	Leu	Lys	Glu	Ile	Gln	Glu	Ser	Leu
	225				230					235				240	
Lys	Thr	Lys	Ile	Val	Asp	Ser	Pro	Glu	Lys	Leu	Lys	Asn	Tyr	Lys	Glu
			245					250						255	
Lys	Met	Lys	Asp	Thr	Val	Gln	Lys	Leu	Lys	Asn	Ala	Arg	Gln	Glu	Val
		260					265						270		
Val	Glu	Lys	Tyr	Glu	Ile	Tyr	Gly	Asp	Ser	Val	Asp	Cys	Leu	Pro	Ser
		275				280						285			
Cys	Gln	Leu	Glu	Val	Gln	Leu	Tyr	Gln	Lys	Lys	Ile	Gln	Asp	Leu	Ser
	290					295					300				
Asp	Asn	Arg	Glu	Lys	Leu	Ala	Ser	Ile	Leu	Lys	Glu	Ser	Leu	Asn	Leu
	305				310					315				320	
Glu	Asp	Gln	Ile	Glu	Ser	Asp	Glu	Ser	Glu	Leu	Lys	Lys	Leu	Lys	Thr
			325					330					335		
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1007467004

<400> 1937															
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			20					25					30		
Cys	Trp	Gly	Tyr	Pro	Ser	Pro	Arg	Ser	Thr	Trp	Asn	Pro	Asp	Arg	Arg
		35					40					45			
Phe	Trp	Thr	Pro	Gln	Thr	Gly	Pro	Gly	Glu	Gly	Arg	His	Glu	Arg	His
	50					55					60				
Thr	Gln	Thr	Gln	Asn	His	Thr	Ala	Ser	Pro	Arg	Ser	Pro	Val	Met	Glu
65					70					75					80

Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu  
                     85                    90                    95  
 Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala  
                     100                    105                    110  
 Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile  
                     115                    120                    125  
 Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu  
                     130                    135                    140  
 Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val  
                     145                    150                    155

<210> 1938  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

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 agaagcacct ggaaccccgga cagaagattc tggactcccc agacgggacc aggagagggga 180  
 cgcatgagc gacacacaca aacacagaac cacacagcca gtcccaggag cccagtaatg 240  
 gagagcccca aaaagaagaa ccagcagctg aaagtcggga tcctacacct gggcagcaga 300  
 cagaagaaga tcaggataca gctgagatcc cagtgcgcga catggaaggt gatctgcaag 360  
 agctgcatca gtcaaacacc ggggataaat ctggatttgg gttccggcgt caaggtgaag 420  
 ataataccta aagaggaaca ctgtaaaatg ccagaagcag gtgaagagca accacaagtt 480  
 taatga 486

<210> 1939  
 <211> 28  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 1939  
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28

<210> 1940  
 <211> 160  
 <212> PRT  
 <213> Homo sapiens

<400> 1940  
 Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr  
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 Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly  
                     20                    25                    30  
 Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg  
                     35                    40                    45  
 Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg  
                     50                    55                    60  
 His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met

4001938-486

65					70					75					80
Glu	Ser	Pro	Lys	Lys	Lys	Asn	Gln	Gln	Leu	Lys	Val	Gly	Ile	Leu	His
				85					90					95	
Leu	Gly	Ser	Arg	Gln	Lys	Lys	Ile	Arg	Ile	Gln	Leu	Arg	Ser	Gln	Cys
			100					105					110		
Ala	Thr	Trp	Lys	Val	Ile	Cys	Lys	Ser	Cys	Ile	Ser	Gln	Thr	Pro	Gly
		115					120					125			
Ile	Asn	Leu	Asp	Leu	Gly	Ser	Gly	Val	Lys	Val	Lys	Ile	Ile	Pro	Lys
	130					135					140				
Glu	Glu	His	Cys	Lys	Met	Pro	Glu	Ala	Gly	Glu	Glu	Gln	Pro	Gln	Val
145					150					155					160

<210> 1941  
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 <212> DNA  
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 agaagcacct ggaaccccgga cagaagattc tggactcccc agacgggacc aggagaggga 180  
 cgcatgagc gacacacaca aacacagaac cacacagcca gtcccaggag cccagtaatg 240  
 gagagcccca aaaagaagaa ccagcagctg aaagtcggga tcctacacct gggcagcaga 300  
 cagaagaaga tcaggatata gctgagatcc cagtgcgcga catggaaggt gatctgcaag 360  
 agctgcatca gtcaaaccacc ggggataaat ctggatttgg gttccggcgt caaggtgaag 420  
 ataataccta aagaggaaca ctgtaaaatg ccagaagcag gtgaagagca accacaagtt 480  
 taatga 486

<210> 1942  
 <211> 19  
 <212> PRT  
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<400> 1942  
 Leu Gly Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Asp  
 1 5 10 15  
 Arg Pro Phe

<210> 1943  
 <211> 20  
 <212> PRT  
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<400> 1943  
 Cys Ser Leu Gly Val Phe Pro Ser Ala Pro Ser Pro Val Trp Gly Thr  
 1 5 10 15  
 Arg Arg Ser Cys  
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<210> 1944

1001754-10501

<211> 20  
 <212> PRT  
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<400> 1944  
 Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn  
 1 5 10 15  
 His Thr Ala Ser  
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<210> 1945  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1945  
 Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr  
 1 5 10 15  
 Arg Glu Glu Gly  
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<210> 1946  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1946  
 His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr Arg Glu Glu Gly Gly  
 1 5 10 15  
 Pro Arg Ser Gly  
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<210> 1947  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1947  
 Leu Val Thr Ala Ile Thr Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly  
 1 5 10 15  
 Ala Gln Ala Lys  
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<210> 1948  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1948  
 Thr Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu

1007457007

<210> 1953

<211> 20  
 <212> PRT  
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<400> 1953  
 Arg Ser Thr Trp Asn Pro Asp Arg Arg Phe Trp Thr Pro Gln Thr Gly  
 1 5 10 15  
 Pro Gly Glu Gly  
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<210> 1954  
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 <212> PRT  
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<400> 1954  
 Pro Asp Arg Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg  
 1 5 10 15  
 His Glu Arg His  
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<210> 1955  
 <211> 20  
 <212> PRT  
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<400> 1955  
 Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg His Thr  
 1 5 10 15  
 Gln Thr Gln Asn  
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<210> 1956  
 <211> 20  
 <212> PRT  
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<400> 1956  
 Gly Pro Gly Glu Gly Arg His Glu Arg His Thr Gln Thr Gln Asn His  
 1 5 10 15  
 Thr Ala Ser Pro  
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<210> 1957  
 <211> 20  
 <212> PRT  
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<400> 1957  
 Arg His Glu Arg His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg

100754-10304

<210> 1962



<211> 20  
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<400> 1962  
 Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln  
 1 5 10 15  
 Lys Lys Ile Arg  
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<210> 1963  
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 <212> PRT  
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<400> 1963  
 Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile  
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 Gln Leu Arg Ser  
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<210> 1964  
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<400> 1964  
 His Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln  
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 Cys Ala Thr Trp  
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<210> 1965  
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 <212> PRT  
 <213> Homo sapiens

<400> 1965  
 Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr Trp  
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 Lys Val Ile Cys Lys  
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<210> 1966  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1966  
 Ile Gln Leu Arg Ser Gln Cys Ala Thr Trp Lys Val Ile Cys Lys Ser

1007470001

1                    5                    10                    15  
 Cys Ile Ser Gln  
                   20

<210> 1967  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 1967  
 Ser Gln Cys Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln  
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 Thr Pro Gly Ile Asn  
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<210> 1968  
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 <212> PRT  
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<400> 1968  
 Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn Leu  
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 Asp Leu Gly Ser  
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<210> 1969  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1969  
 Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly  
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 Val Lys Val Lys  
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<210> 1970  
 <211> 20  
 <212> PRT  
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<400> 1970  
 Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile  
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 Ile Pro Lys Glu  
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<210> 1971

1001754-1001754

<211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1971  
 Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu  
 1 5 10 15  
 His Cys Lys Met  
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<210> 1972  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1972  
 Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu His Cys Lys Met Pro  
 1 5 10 15  
 Glu Ala Gly Glu  
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<210> 1973  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 1973  
 Ile Ile Pro Lys Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu  
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 Gln Pro Gln Val  
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<210> 1974  
 <211> 60  
 <212> DNA  
 <213> Homo sapiens

<400> 1974  
 atgcggtgcc acgcccattg accttcttgt ctcgtcacgg ccataactag ggaggaagga 60

<210> 1975  
 <211> 60  
 <212> DNA  
 <213> Homo sapiens

<400> 1975  
 catggacctt cttgtctcgt cacggccata actagggagg aaggagggcc gaggagtgga 60

<210> 1976

100754-100754

<211> 60  
<212> DNA  
<213> Homo sapiens

<400> 1976  
ctcgtcacgg ccataactag ggaggaagga gggccgagga gtggaggggc tcaggcgaag 60

<210> 1977  
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<212> DNA  
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<400> 1977  
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<210> 1978  
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<212> DNA  
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<400> 1978  
gggccgagga gtggaggggc tcaggcgaag ctggggtgct gttgggggta tccgagtccc 60

<210> 1979  
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<212> DNA  
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<400> 1979  
ggggctcagg cgaagctggg gtgctgttg gggatatccga gtcccagaag cacctggaac 60

<210> 1980  
<211> 60  
<212> DNA  
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<400> 1980  
ctggggtgct gttgggggta tccgagtccc agaagcacct ggaacccga cagaagattc 60

<210> 1981  
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<212> DNA  
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<400> 1981  
gggtatccga gtcccagaag cacctggaac cccgacagaa gattctggac tcccagacg 60

<210> 1982

100754-10064

<211> 60  
 <212> DNA  
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<400> 1982  
 agaagcacct ggaaccccgga cagaagattc tggactcccc agacgggacc aggagagggga 60

<210> 1983  
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 <212> DNA  
 <213> Homo sapiens

<400> 1983  
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<210> 1984  
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 <212> DNA  
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<400> 1984  
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<210> 1985  
 <211> 60  
 <212> DNA  
 <213> Homo sapiens

<400> 1985  
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<210> 1986  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

<400> 1986  
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<210> 1987  
 <211> 60  
 <212> DNA  
 <213> Homo sapiens

<400> 1987  
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<210> 1988

100754-100754

<211> 60  
<212> DNA  
<213> Homo sapiens

<400> 1988  
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<210> 1989  
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<212> DNA  
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aggagcccag taatggagag ccccaaaaag aagaaccagc agctgaaagt cgggataccta 60

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<400> 1992  
aaagtcggga tcctacacct gggcagcaga cagaagaaga tcaggatata gctgagatcc 60

<210> 1993  
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<212> DNA  
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<400> 1993  
cacctgggca gcagacagaa gaagatcagg atacagctga gatcccagtg cgcgacatgg 60

<210> 1994

<210> 2000

<211> 60  
 <212> DNA  
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